840 Request for Quotation

Functional Group ID=RQ

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Request for Quotation Transaction Set (840) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide potential buyers with the ability to solicit price, delivery schedule, and other items from potential sellers of goods and services.

Notes:

1. This Implementation Convention (IC) is used to solicit quotations for large or small purchases, or to amend, cancel or reissue a solicitation. In this convention, the terms solicit and quote are used generically and encompass such other terms as Invitation for Bid (IFB) and Bid; Request for Proposal (RFP) and Proposal, Broad Agency Announcement (BAA) and Request for Information (RFI). This convention can be used to transmit the solicitation information including conditions of sale, fill-in clauses, Contract Data Requirements Lists, Contract Security Classification Specification, hazardous material data and MIL-STD -2073 packaging requirements. It can also be used to solicit multiple prices based on various quantities, delivery to geographic zones (states or countries), or to request price breaks for various quantities.

2. This transaction set makes use of code lists contained in the Federal EDI Coding Manual which is available at http://fedebiz.disa.mil, under Related Documents, Federal EDI Coding Manual.

3. Within this implementation convention, the phrase "use in conjunction with" indicates a requirement to transmit specified codes, data elements, or segments, when the code, data element, or segment associated with the phrase is present. If this requirement is multi-directional, the phrase will appear in all applicable locations. This phrase is not used when the X12 syntax mandates this requirement.

Heading:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
6	010	ST	Transaction Set Header	M	1		
7	020	BQT	Beginning Segment for Request for Quotation	M	1		
12	040	CUR	Currency	O	1		
15	050	REF	Reference Identification	O	>1		
Not Used	060	PER	Administrative Communications Contact	O	3		
Not Used	070	TAX	Tax Reference	O	3		
20	080	FOB	F.O.B. Related Instructions	O	>1		
Not Used	090	CTP	Pricing Information	O	>1		
Not Used	095	PAM	Period Amount	O	10		
23	110	CSH	Sales Requirements	O	25		
27	120	SAC	Service, Promotion, Allowance, or Charge	O	25		

			Information			
32	130	ITD	Terms of Sale/Deferred Terms of Sale	O	5	
Not Used	140	DIS	Discount Detail	O	20	
34	150	DTM	Date/Time Reference	O	10	
37	160	LDT	Lead Time	O	12	
Not Used	180	LIN	Item Identification	O	5	n1
40	190	PID	Product/Item Description	O	200	
42	200	MEA	Measurements	O	40	
50	210	PWK	Paperwork	O	25	
56	220	PKG	Marking, Packaging, Loading	O	200	
Not Used	230	TD1	Carrier Details (Quantity and Weight)	O	2	
59	240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	250	TD3	Carrier Details (Equipment)	O	12	
61	260	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
63	270	MAN	Marks and Numbers	O	10	
65	280	RRA	Required Response	O	100	
Not Used	285	CTB	Restrictions/Conditions	O	>1	
			LOOP ID - N9		1000	
66	290	N9	Reference Identification	O	1	
Not Used	295	DTM	Date/Time Reference	O	>1	
73	300	MSG	Message Text	O	1000	
			LOOP ID - N1		10000	
75	310	N1	Name	O	1	
80	320	N2	Additional Name Information	O	2	
81	330	N3	Address Information	O	2	
82	340	N4	Geographic Location	O	>1	
Not Used	350	REF	Reference Identification	O	12	
84	360	PER	Administrative Communications Contact	O	>1	
Not Used	365	SI	Service Characteristic Identification	O	>1	
Not Used	370	FOB	F.O.B. Related Instructions	O	1	
Not Used	380	TD1	Carrier Details (Quantity and Weight)	O	2	
Not Used	390	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	400	TD3	Carrier Details (Equipment)	O	12	
Not Used	410	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
Not Used	420	PKG	Marking, Packaging, Loading	O	200	
Not Used	430	RRA	Required Response	O	25	
			LOOP ID - SPI		1	
87	440	SPI	Specification Identifier	O	1	
90	450	REF	Reference Identification	O	5	
92	460	DTM	Date/Time Reference	O	5	
94	470	MSG	Message Text	O	50	
			LOOP ID - N1		20	
95	490	N1	Name	O	1	
97	500	N2	Additional Name Information	O	2	

98	510	N3	Address Information	O	2		
99	520	N4	Geographic Location	O	1		
Not Used	530	REF	Reference Identification	O	20		
100	540	G61	Contact	O	1		
102	550	MSG	Message Text	O	50		
			LOOP ID - CB1			>1	
103	560	CB1	Contract and Cost Accounting Standards Data	O	1		
107	570	REF	Reference Identification	O	20		
109	580	DTM	Date/Time Reference	O	5		
110	590	LDT	Lead Time	O	1		
111	600	MSG	Message Text	O	50		
			LOOP ID - PCT			>1	
112	610	PCT	Percent Amounts	O	1		
Not Used	620	AMT	Monetary Amount	O	>1		
			LOOP ID - ADV			>1	
Not Used	630	ADV	Advertising Demographic Information	O	1		
Not Used	640	DTM	Date/Time Reference	O	>1		
Not Used	650	MTX	Text	O	>1		

Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - PO1			100000	
113	010	PO1	Baseline Item Data	M	1		
120	015	LIN	Item Identification	O	>1		
Not Used	017	G53	Maintenance Type	O	1		
126	020	CUR	Currency	O	1		
129	025	CN1	Contract Information	O	1		
131	030	PO3	Additional Item Detail	O	25		
133	040	CTP	Pricing Information	O	>1		
Not Used	045	PAM	Period Amount	O	10		
Not Used	047	CTB	Restrictions/Conditions	O	>1		
138	049	MEA	Measurements	O	40		
			LOOP ID - PID			1000	
144	050	PID	Product/Item Description	O	1		
Not Used	060	MEA	Measurements	O	10		
146	070	PWK	Paperwork	O	25		
152	080	PKG	Marking, Packaging, Loading	O	200		
155	090	PO4	Item Physical Details	O	>1		
159	100	REF	Reference Identification	O	>1		
164	110	PER	Administrative Communications Contact	O	3		
167	130	SAC	Service, Promotion, Allowance, or Charge Information	O	25		
Not Used	140	IT8	Conditions of Sale	O	25		
172	142	CSH	Sales Requirements	O	>1		

Not Used	150	ITD	Terms of Sale/Deferred Terms of Sale	O	2	
Not Used	160	DIS	Discount Detail	O	20	
Not Used	170	TAX	Tax Reference	O	3	
175	180	FOB	F.O.B. Related Instructions	O	>1	
Not Used	190	SDQ	Destination Quantity	O	50	
178	200	DTM	Date/Time Reference	O	10	
Not Used	230	FST	Forecast Schedule	O	>1	
Not Used	240	TD1	Carrier Details (Quantity and Weight)	O	1	
182	250	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	260	TD3	Carrier Details (Equipment)	O	12	
184	270	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
186	280	MAN	Marks and Numbers	O	10	
188	290	RRA	Required Response	O	25	
189	292	MSG	Message Text	O	1000	
190	293	SPI	Specification Identifier	O	>1	
			LOOP ID - QTY		>1	
Not Used	294	QTY	Quantity	O	1	
Not Used	295	SI	Service Characteristic Identification	O	>1	
			LOOP ID - SCH		104	
192	296	SCH	Line Item Schedule	O	1	n2
Not Used	297	TD1	Carrier Details (Quantity and Weight)	O	2	
Not Used	298	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	299	TD3	Carrier Details (Equipment)	O	12	
Not Used	300	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
Not Used	301	REF	Reference Identification	O	>1	
			LOOP ID - LDT		>1	
195	302	LDT	Lead Time	O	1	
198	303	QTY	Quantity	O	>1	
201	304	MSG	Message Text	O	1	
			LOOP ID - LM		1	
202	305	LM	Code Source Information	O	1	
203	306	LQ	Industry Code	M	1	
			LOOP ID - SLN		1000	
Not Used	308	SLN	Subline Item Detail	O	1	
Not Used	309	MSG	Message Text	O	>1	
Not Used	310	PID	Product/Item Description	O	1000	
Not Used	315	ADV	Advertising Demographic Information	O	>1	
			LOOP ID - QTY		>1	
Not Used	316	QTY	Quantity	O	1	
Not Used	317	SI	Service Characteristic Identification	O	>1	
			LOOP ID - N9		1000	
204	320	N9	Reference Identification	O	1	
Not Used	325	DTM	Date/Time Reference	O	>1	

210	330	MSG	Message Text	O	1000	
			LOOP ID - N1			>1
212	340	N1	Name	O	1	
216	350	N2	Additional Name Information	O	2	
217	360	N3	Address Information	O	2	
218	370	N4	Geographic Location	O	1	
219	375	QTY	Quantity	O	>1	
Not Used	380	REF	Reference Identification	O	12	
221	390	PER	Administrative Communications Contact	O	3	
Not Used	395	SI	Service Characteristic Identification	O	>1	
Not Used	396	DTM	Date/Time Reference	O	1	
Not Used	400	FOB	F.O.B. Related Instructions	O	1	
224	405	SCH	Line Item Schedule	O	200	
Not Used	410	TD1	Carrier Details (Quantity and Weight)	O	2	
227	420	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	430	TD3	Carrier Details (Equipment)	O	12	
229	440	TD4	Carrier Details (Special Handling or Hazardous Materials or Both)	O	5	
231	450	PKG	Marking, Packaging, Loading	O	200	
Not Used	460	RRA	Required Response	O	25	
Not Used	465	CTP	Pricing Information	O	1	
Not Used	469	PAM	Period Amount	O	10	
			LOOP ID - LDT			>1
234	470	LDT	Lead Time	O	1	
237	480	MAN	Marks and Numbers	O	10	
239	490	QTY	Quantity	O	5	
242	500	MSG	Message Text	O	1000	
			LOOP ID - PCT			>1
243	510	PCT	Percent Amounts	O	1	
Not Used	520	AMT	Monetary Amount	O	>1	

Summary:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
244	010	CTT	Transaction Totals	O	1		n3
245	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. If segment LIN is used, do not use LIN01.

2. The SCH segment is used to specify various quantities of items ordered that are to be scheduled. When this segment is used, the unit of measurement code (SCH02) should always be identical to the unit of measurement code in the associated PO1 segment (PO103) and the sum of values of quantity (SCH01) should always equal the quantity ordered (PO102) in the PO1 segment.

3. The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

Segment:	**ST** **Transaction Set Header**	
Position:	010	
Loop:		
Level:	Heading	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To indicate the start of a transaction set and to assign a control number	
Syntax Notes:		
Semantic Notes:	1	The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	ST01	143	**Transaction Set Identifier Code**	**M ID 3/3**

Code uniquely identifying a Transaction Set

840   Request for Quotation

	Ref. Des.	Data Element	Name	Attributes
M	ST02	329	**Transaction Set Control Number**	**M AN 4/9**

Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

This unique control number is assigned by the originator of the transaction set or by the originator's application program. This same number is carried in SE02.

Segment:	**BQT** Beginning Segment for Request for Quotation
Position:	020
Loop:	
Level:	Heading
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the beginning of a Request for Quotation Transaction Set and transmit identifying numbers and dates
Syntax Notes:	1 If either BQT04 or BQT05 is present, then the other is required.
Semantic Notes:	1 BQT03 is the date to be used for reference purposes in an RFQ and a response to RFQ.
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	BQT01	353	**Transaction Set Purpose Code**	M ID 2/2

Code identifying purpose of transaction set

Use to identify the purpose of the transaction set.

00 Original

Use, in conjunction with BQT07, to indicate a type of original solicitation.   Cite an appropriate code in BQT07.

01 Cancellation

Use to indicate the cancellation of a previously transmitted solicitation. Do not use when the solicitation is to be reissued. In this case use code 17.

05 Replace

1. Use to indicate a conformed amended solicitation, i.e., a solicitation that contains the current amendment and all previous transmitted amendments to the solicitation.

2. Use in conjunction with BQT04, code 171, BQT05, BQT11 and the 1/N9/290 loop to identify the current changes to the solicitation.

07 Duplicate

Use to indicate the re-transmission of a previously transmitted solicitation.

14 Advance Notification

Use to indicate a pre-solicitation announcement , e.g., a Federal Business Opportunities (FED BIZ

			OPS) synopsis.		
		17	Cancel, to be Reissued		

Use to indicate a cancellation of a previously transmitted solicitation only when the solicitation is to be reissued. Otherwise, use code 01 to cancel a previously transmitted solicitation.

		18	Reissue		

Use to indicate the reissue of a previously canceled solicitation. Use only when code 17 was previously used to cancel a solicitation. When used, if the reissued solicitation has a new number, cite the original solicitation in the 1/REF/050 segment using code KS in REF01.

		24	Draft		

Use to indicate the transmission of complete or partial data regarding a draft solicitation. This code will be used when requesting comments on a draft solicitation from potential offerors.

M	BQT02	586	**Request for Quote Reference Number**	**M**	**AN 1/45**

Number assigned by the purchaser to identify his request for quote

Use to identify the unique number assigned to the solicitation. This number shall be transmitted without dashes.

M	BQT03	373	**Date**	**M**	**DT 8/8**

Date expressed as CCYYMMDD

1. When BQT01 is code 00, 01, 05, 07, or 17, use to identify the original solicitation date.

2. When BQT01 is code 18, use to identify the date of the reissued solicitation.

3. When BQT01 is code 14, use to identify the date of an advance notification.

4. When BQT01 is code 24, use to identify the date of a draft solicitation.

	BQT04	374	**Date/Time Qualifier**	**X**	**ID 3/3**

Code specifying type of date or time, or both date and time

When BQT01 is code 05, this data element is REQUIRED.

		171	Revision		

Use, in conjunction with BQT01 code 05, to indicate the date of an amended (conformed) solicitation.

	BQT05	373	**Date**	**X**	**DT 8/8**

Date expressed as CCYYMMDD

| BQT06 | 92 | **Purchase Order Type Code** | O | ID 2/2 |

Code specifying the type of Purchase Order

Use to identify the type of award instrument that is expected to be issued as a result of this solicitation.

BL	Bailment	
KA	Agreement	

Use to indicate cooperative agreements and other agreements.

KB	Blanket Purchase Agreement
KC	Contract
KD	Basic Agreement
KE	Basic Ordering Agreement
KG	Grant
KI	Indefinite Delivery Indefinite Quantity
KN	Purchase Order
KP	Authority to Proceed

Use to indicate that the intended type of assistance award will be a loan.

KQ	Indefinite Delivery Definite Quantity
KR	Requirements
KS	Letter Contract
KT	Task Order
LS	Lease

Use to indicate a lease agreement as the type of intended award instrument. When equipment rental is to be awarded pursuant to another type of instrument (purchase order, delivery order, contract, etc.), use the appropriate listed code in this data element and use code ER in BQT10.

RL	Release or Delivery Order

Use to indicate releases, calls, or delivery orders against existing award instruments, e.g., if soliciting quotes for a Federal Supply Schedule item.

ZZ	Mutually Defined

Use to indicate that the intended type of assistance award will be provided through Formula Funds.

| BQT07 | 960 | **Request for Quote Type Code** | O | ID 2/2 |

Code specifying the type of request for quote

Use, in conjunction with BQT01, code 00, to indicate the type of solicitation.

01	Request For Quote

	03	Invitation for Bid	
	04	Request for Proposal	
	07	Request for Technical Proposal	
	08	Request for Price Proposal	
	09	Request for Information	
	11	Broad Announcement	

Use to indicate a Broad Agency Announcement.

BF	Best and Final	

BQT08   **1166**   **Contract Type Code**   **O   ID 2/2**

Code identifying a contract type

Use to identify the type of pricing arrangement for the award instrument that is expected to result from this solicitation. If there are line items that may have a different pricing arrangement, that pricing arrangement should be specified in the 2/CN1/025 segment within the PO1 loop that is applicable to the line item. In that situation, in this data element, identify the predominant pricing arrangement based on dollar value. Both BQT08 and the 2/CN1/025 segment can be included in the transaction set if needed.

CA	Cost Plus Incentive Fee (With Performance Incentives)
CH	Cost Sharing
CS	Cost
CW	Cost Plus Award Fee
CX	Cost Plus Fixed Fee
CY	Cost Plus Incentive Fee
FB	Fixed Price Incentive Firm Target (With Performance Incentive)
FC	Fixed Price Incentive Firm Target (Without Performance Incentive)
FD	Fixed Price Redetermination

Use to indicate a prospective fixed price redetermination award instrument.

FF	Fixed Price Incentive Successive Target (With Performance Incentive)
FG	Fixed Price Incentive Successive Target (Without Performance Incentive)
FH	Fixed Price Award Fee
FJ	Fixed Price Level of Effort
FK	No Cost
FM	Retroactive Fixed Price Redetermination
FR	Firm Fixed Price
FX	Fixed Price with Economic Price Adjustment
LH	Labor Hours

		TM	Time and Materials	
BQT09	**786**	**Security Level Code**		**O ID 2/2**

Code indicating the level of confidentiality assigned by the sender to the information following

Use to identify the highest level of government security classification applicable to the solicitation.

92	Government Confidential
93	Government Secret
94	Government Top Secret

BQT10	**1232**	**Purchase Category**	**O ID 2/2**

Code identifying the broad category of products or services being acquired

Use to identify the category applicable to the solicitation.

AE	Architect and Engineering
CN	Construction
DR	Demolish, Dismantle or Replace
ER	Equipment Rental
IR	Inspect and Repair as Necessary
MD	Modification
OV	Overhaul
RD	Research and Development

Includes traineeships and fellowships.

RE	Repair
SB	Shipbuilding
SP	Supplies
SU	Subsistence
SV	Services
TE	Test and Evaluation
UT	Utilities

BQT11	**327**	**Change Order Sequence Number**	**O AN 1/8**

Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set

When BQT01 is code 05, use of this data element is REQUIRED to identify the solicitation amendment number.

Segment:	**CUR** Currency		
Position:	040		
Loop:			
Level:	Heading		
Usage:	Optional		
Max Use:	1		
Purpose:	To specify the currency (dollars, pounds, francs, etc.) used in a transaction		
Syntax Notes:	1	If CUR08 is present, then CUR07 is required.	
	2	If CUR09 is present, then CUR07 is required.	
	3	If CUR10 is present, then at least one of CUR11 or CUR12 is required.	
	4	If CUR11 is present, then CUR10 is required.	
	5	If CUR12 is present, then CUR10 is required.	
	6	If CUR13 is present, then at least one of CUR14 or CUR15 is required.	
	7	If CUR14 is present, then CUR13 is required.	
	8	If CUR15 is present, then CUR13 is required.	
	9	If CUR16 is present, then at least one of CUR17 or CUR18 is required.	
	10	If CUR17 is present, then CUR16 is required.	
	11	If CUR18 is present, then CUR16 is required.	
	12	If CUR19 is present, then at least one of CUR20 or CUR21 is required.	
	13	If CUR20 is present, then CUR19 is required.	
	14	If CUR21 is present, then CUR19 is required.	
Semantic Notes:			
Comments:	1	See Figures Appendix for examples detailing the use of the CUR segment.	
Notes:	*1. Use to indicate that quotes may be submitted in a currency other than US dollars. Do not use when quotes are to be submitted only in US dollars. When used, one currency, other than US dollars must be cited in CUR02. CUR05 may be used to cite a second acceptable currency.*		
	2. If quotes may be submitted in different currencies depending on the line item, use the 2/CUR/015 segment to identify the currencies.		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	CUR01	98	**Entity Identifier Code**	**M ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual	
			C5 Party Submitting Quote	
			Use to indicate that a quoting party may quote in a currency cited in CUR02 or CUR05.	
M	CUR02	100	**Currency Code**	**M ID 3/3**
			Code (Standard ISO) for country in whose currency the charges are specified	
			Use any code other than the code for US dollars.	
Not Used	CUR03	280	**Exchange Rate**	**O R 4/10**

			Value to be used as a multiplier conversion factor to convert monetary value from one currency to another		
Not Used	**CUR04**	**98**	**Entity Identifier Code**	**O**	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
	CUR05	**100**	**Currency Code**	**O**	**ID 3/3**
			Code (Standard ISO) for country in whose currency the charges are specified		
			Use any code other than the code for US dollars.		
Not Used	**CUR06**	**669**	**Currency Market/Exchange Code**	**O**	**ID 3/3**
			Code identifying the market upon which the currency exchange rate is based		
Not Used	**CUR07**	**374**	**Date/Time Qualifier**	**X**	**ID 3/3**
			Code specifying type of date or time, or both date and time		
Not Used	**CUR08**	**373**	**Date**	**O**	**DT 8/8**
			Date expressed as CCYYMMDD		
Not Used	**CUR09**	**337**	**Time**	**O**	**TM 4/8**
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
Not Used	**CUR10**	**374**	**Date/Time Qualifier**	**X**	**ID 3/3**
			Code specifying type of date or time, or both date and time		
Not Used	**CUR11**	**373**	**Date**	**X**	**DT 8/8**
			Date expressed as CCYYMMDD		
Not Used	**CUR12**	**337**	**Time**	**X**	**TM 4/8**
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
Not Used	**CUR13**	**374**	**Date/Time Qualifier**	**X**	**ID 3/3**
			Code specifying type of date or time, or both date and time		
Not Used	**CUR14**	**373**	**Date**	**X**	**DT 8/8**
			Date expressed as CCYYMMDD		
Not Used	**CUR15**	**337**	**Time**	**X**	**TM 4/8**
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
Not Used	**CUR16**	**374**	**Date/Time Qualifier**	**X**	**ID 3/3**

Code specifying type of date or time, or both date and time

| Not Used | CUR17 | 373 | **Date** | **X** | **DT 8/8** |

Date expressed as CCYYMMDD

| Not Used | CUR18 | 337 | **Time** | **X** | **TM 4/8** |

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

| Not Used | CUR19 | 374 | **Date/Time Qualifier** | **X** | **ID 3/3** |

Code specifying type of date or time, or both date and time

| Not Used | CUR20 | 373 | **Date** | **X** | **DT 8/8** |

Date expressed as CCYYMMDD

| Not Used | CUR21 | 337 | **Time** | **X** | **TM 4/8** |

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Segment:	**REF** Reference Identification
Position:	050
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To specify identifying information
Syntax Notes:	1 At least one of REF02 or REF03 is required.
	2 If either C04003 or C04004 is present, then the other is required.
	3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	1 REF04 contains data relating to the value cited in REF02.
Comments:	
Notes:	*Use this segment to identify reference numbers that apply to all of the line items in the solicitation. If the reference numbers vary by line item, use the 2/REF/100 segment.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	REF01	128	**Reference Identification Qualifier**	M ID 2/3

Code qualifying the Reference Identification

16	Military Interdepartmental Purchase Request (MIPR) Number	
2E	Foreign Military Sales Case Number	
	Use to indicate a Foreign Military Sale (FMS).	
2S	Catalog	
	Use to indicate the Catalog of Federal Domestic Assistance. This is where additional information regarding the program funding source can be found.	
2Y	Wage Determination	
	Use to indicate a Department of Labor Wage Determination number. Use if the Wage Determination is passed by reference only or to identify the Wage Determination passed by some other means identified in the PWK segment.	
73	Statement of Work (SOW)	
	If a Statement of Work is part of the award, the PWK segment can be used to indicate how the SOW is being provided.	
97	Package Number	
CT	Contract Number	
	Use to indicate an existing contractual instrument applicable to this solicitation.	

DG	Drawing Number	
DS	Defense Priorities Allocation System (DPAS) Priority Rating	
HF	Engineering Data List	
IJ	Standard Industry Classification (SIC) Code	

> *1. Use to indicate the Standard Industrial Classification (SIC) Code applicable to this award instrument.*
>
> *2. Identify the size standard applicable to the SIC code in the 1/MEA/200 segment, citing code CS in MEA01.*

IL	Internal Order Number	

> *Use to indicate the requisition (e.g., Military Standard Requisitioning and Issue Procedures (MILSTRIP)/Defense Logistics Management System (DLMS) or Federal Standard Requisitioning and Issue Procedures (FEDSTRIP) document number).*

IQ	End Item	

> *Use to indicate the end item to which the items in the award instrument pertains.*

IX	Item Number	

> *Use to indicate a Federal supply schedule (FSS) special item number.*

K4	Criticality Designator	

> *Use to indicate the surveillance criticality designator applicable to the award instrument.*

KS	Solicitation	

> *Use in conjunction with the 1/BQT/020 segment, BQT01 code 18, only when a new solicitation number is assigned, to indicate the original solicitation number.*

LT	Lot Number	
LX	Qualified Products List	

> *Use in conjunction with the 1/CSH/110 segment, CSH01 is code QP, QM, or QB, to indicate the Qualified Products List, Qualified Manufacturer List, or Qualified Bidders List.*

MU	Military Specification (MILSPEC) Number	
NI	Military Standard (MIL-STD) Number	
NJ	Technical Document Number	
NL	Technical Order Number	

	P4	Project Code

Use to indicate the project number applicable to this solicitation.

	PG	Product Group

1. Use to indicate a North American Industrial Classification System (NAICS) code. When this code is used, the code cited in REF02 can be found at http://www.census.gov/epcd/www/naics.html.

2. The NAICS code MUST be 6 digits. If the NAICS code is less than 6 digits, add a trailing zero.

3. Identify the size standard applicable to the NAICS code in the 1/MEA/200 segment, citing code CS in MEA01.

	PH	Priority Rating

Use to indicate the MILSTRIP/DLMS/FEDSTRIP priority rating.

	PID	Program Identification Number
	QC	Product Specification Document Number
	RQ	Purchase Requisition Number

Use to indicate the Purchase Request (PR) number or Purchase Request Order Number (PRON). When citing a purchase request number, concatenate its line item number with the purchase request number if it is necessary to transmit both numbers.

	RS	Returnable Container Serial Number
	S3	Specification Number

Use to indicate a specification number other than a Military Specification (MIL-SPEC). When used, cite the specification number in REF02 and identify the issuing activity in REF03.

	T4	Signal Code
	TN	Transaction Reference Number

1. Use to indicate the unique reference number of a related transaction set (e.g. an 841 transaction set carrying a related technical specification or drawing). Each transaction set has a unique number. In the case of the 841 transaction set, that number is carried in SPI02.

2. When used, cite the related transaction set's unique number in REF02 and cite the X12

transaction set designator of the related transaction set, e.g., 841, in REF03.

	TP	Test Specification Number
	VW	Standard

Use to indicate a standard other than a Military Standard (MIL-STD). When used, cite the standard number in REF02, e.g., ASTM D3951, and, if necessary, further identify the standard in REF03.

	W2	Weapon System Number

Use to indicate the Weapon System Code.

	W6	Federal Supply Schedule Number
	W8	Suffix

Use to indicate a MILSTRIP/DLMS/FEDSTRIP requisition suffix number. This code can be used if there is ONLY one occurrence of the REF segment with code IL in REF01.

	WF	Locally Assigned Control Number
	WK	Type of Science Code
	WL	Federal Supply Classification Code
	XE	Transportation Priority Number
	XY	Other Unlisted Type of Reference Number

Use to indicate another type of reference number. When used, identify the nature of the number in REF03.

REF02 127 **Reference Identification** X AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

If a document has a revision or extension, the document number and the revision or extension number should be concatenated and cited in this data element.

REF03 352 **Description** X AN 1/80

A free-form description to clarify the related data elements and their content

1. Use to carry additional information related to a reference number cited in REF02.

2. Use of free form text is discouraged if the information can be provided by some other means within the transaction set.

Not Used **REF04** C040 **Reference Identifier** O

To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier

Not Used **C04001** 128 **Reference Identification Qualifier** M ID 2/3

			Code qualifying the Reference Identification		
Not Used	**C04002**	**127**	**Reference Identification**	**M**	**AN 1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Not Used	**C04003**	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**

Code qualifying the Reference Identification

Not Used	**C04004**	**127**	**Reference Identification**	**X**	**AN 1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Not Used	**C04005**	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**

Code qualifying the Reference Identification

Not Used	**C04006**	**127**	**Reference Identification**	**X**	**AN 1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Segment:	**FOB** F.O.B. Related Instructions		
Position:	080		
Loop:			
Level:	Heading		
Usage:	Optional		
Max Use:	>1		
Purpose:	To specify transportation instructions relating to shipment		
Syntax Notes:	1	If FOB03 is present, then FOB02 is required.	
	2	If FOB04 is present, then FOB05 is required.	
	3	If FOB07 is present, then FOB06 is required.	
	4	If FOB08 is present, then FOB09 is required.	
Semantic Notes:	1	FOB01 indicates which party will pay the carrier.	
	2	FOB02 is the code specifying transportation responsibility location.	
	3	FOB06 is the code specifying the title passage location.	
	4	FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.	
Comments:			
Notes:	*1. Use this segment if the FOB point and the acceptance location apply to all of the line items. When the FOB point and/or acceptance location varies by line item, use the 2/FOB/180 segment.*		
	2. If the FOB point varies by delivery zone or destinations within a delivery zone, use the 1/N1/310 loop citing code DZ in N101, identify the delivery zone in N103/04 citing code ZN in N103 and identify the FOB point in N405/406.		
	3. This segment is not used when the solicitation is for construction or a service without deliverables.		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	FOB01	146	**Shipment Method of Payment**	M ID 2/2
			Code identifying payment terms for transportation charges	
			BP Paid by Buyer	
			Use to indicate a Government Bill of Lading (GBL) will be issued.	
			PE Prepaid and Summary Bill	
			Use when transportation charges are to be prepaid by the seller, are not included in the unit price, and are to be invoiced periodically.	
			PP Prepaid (by Seller)	
			Use to indicate that transportation charges are not included in the unit price but are prepaid and are to be added as a separate item on the award	

instrument's invoice.

		PS	Paid by Seller		

Use to indicate transportation charges are included in the unit price.

FOB02	**309**	**Location Qualifier**		**X**	**ID 1/2**

Code identifying type of location

Use to identify the FOB point.

DE   Destination (Shipping)

FV   Free Alongside Vessel (Free On Board [F.O.B.] Point)

IT   Intermediate FOB Point

Use to indicate the FOB point is a freight forwarder. Provide the address in the 1/N1/310 loop, citing code IF in N101.

KE   Port of Embarkation

Use to indicate that the FOB Point is an overseas port of embarkation, either aerial or water, for delivery of Government furnished completed end items. Provide the address in the 1/N1/310 loop, citing code KX in N101.

KL   Port of Loading

Use to indicate that the FOB Point is a port of loading. Provide the address in the 1/N1/310 loop, citing code KX in N101.

OA   Origin (After Loading on Equipment)

Use to indicate FOB Origin with transportation charges prepaid by the seller and added as a separate item to the invoice. See FAR clause 52.247-32.

OR   Origin (Shipping Point)

TM   Terminal

1. Use in conjunction with FOB03 to indicate that the FOB point for delivery outside the continental United States is located at a transportation terminal and not at origin or destination. FAR clauses 52.247-38, 52.247-39, or a similar FAR clause may apply.

2. When used identify the FOB point in FOB03.

W   Worldwide Geographic Location Code

Use to indicate the FOB point for deliveries within the continental United States is destination and the FOB point for deliveries outside the continental United States is origin.

| | | | ZZ | Mutually Defined | | |

Use to indicate an Other FOB point, i.e., neither at origin nor at destination. Provide the address in the 1/N1/310 loop, citing code KX in N101.

	FOB03	**352**	**Description**	**O**	**AN 1/80**

A free-form description to clarify the related data elements and their content

Use in conjunction with FOB02 code TM to identify the location of the FOB point. Cite the 5 position United Nations code for ports and other locations (UN/LOCODE) in accordance with the United Nations Location Code Manual.

Not Used	**FOB04**	**334**	**Transportation Terms Qualifier Code**	**O**	**ID 2/2**

Code identifying the source of the transportation terms

Not Used	**FOB05**	**335**	**Transportation Terms Code**	**X**	**ID 3/3**

Code identifying the trade terms which apply to the shipment transportation responsibility

	FOB06	**309**	**Location Qualifier**	**X**	**ID 1/2**

Code identifying type of location

Use to identify the acceptance point. This code also identifies the inspection location when it is the same as the acceptance point.

			DE	Destination (Shipping)
			OR	Origin (Shipping Point)
			ZZ	Mutually Defined

1. Use to indicate the acceptance point is neither at origin nor at destination. When both the acceptance and inspection points are the same location but neither origin nor destination, use the 1/N1/310 loop, citing code 7M in N101.

2. When both the acceptance and inspection points are at different locations but neither are origin nor destination, use the 1/N1/310 loop to provide the acceptance point address, citing code KZ in N101 and the inspection point in another iteration of the N1 loop, citing code L1 in N101.

Not Used	**FOB07**	**352**	**Description**	**O**	**AN 1/80**

A free-form description to clarify the related data elements and their content

Not Used	**FOB08**	**54**	**Risk of Loss Code**	**O**	**ID 2/2**

Code specifying where responsibility for risk of loss passes

Not Used	**FOB09**	**352**	**Description**	**X**	**AN 1/80**

A free-form description to clarify the related data elements and their content

Segment:	**CSH** Sales Requirements	
Position:	110	
Loop:		
Level:	Heading	
Usage:	Optional	
Max Use:	25	
Purpose:	To specify general conditions or requirements of the sale	
Syntax Notes:	1	If CSH02 is present, then CSH03 is required.
	2	If either CSH06 or CSH07 is present, then the other is required.
	3	If either CSH09 or CSH10 is present, then the other is required.
Semantic Notes:	1	CSH03 is the maximum monetary amount value which the order must not exceed.
	2	CSH04 is the account number to which the purchase amount is charged.
	3	CSH05 is the date specified by the sender to be shown on the invoice.
	4	CSH06 identifies the source of the code value in CSH07.
Comments:		
Notes:	*Use this segment to identify conditions of sale that apply to all of the line items. If there are conditions of sale that apply to a specific line item, use the 2/CSH/142 segment.*	

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
CSH01	563	**Sales Requirement Code**	O ID 1/2

Code to identify a specific requirement or agreement of sale

8A	Section (8a) Set-Aside
AI	Set-aside for American Indian-owned Business
BC	Restricted to Historically Black College or University or Minority Institution
C	Consignment
	Use to indicate an Indian (Native American) preference.
D	Bid Guarantee
	Use in conjunction with CSHO3 or in conjunction with CSH09 and CSH10 code BG.
EI	Restricted to Educational Institutions
GS	Guaranteed Sale
	Use in conjunction with CSH03 or in conjunction with CSH09 and CSH10 code 18, to indicate a performance bond will be required if an award is received. Specify the lead time for submission of the bond in the 1/LDT/160 segment citing code AR in LDT01.
IP	Restricted to Industrial Preparedness Program

		Participants
	IS	Substitute Item Allowed
		Use to indicate substitute items, including "or equal" items. To specify an "or equal" item, use code X in CSH08 in conjunction with this code.
	K	Small Purchase Set Aside for Small Businesses
	MY	Multi-year Award
	NS	No Substitutes
	P	Large Purchase, Set-Aside for Small Business
	P2	Ship As Soon As Possible
	P4	Do Not Preship
	Q	Small, Disadvantaged Business Set-Aside
	QB	On Qualified Bidders List
		Use in conjunction with the 1/REF/050 segment, REF01 code LX.
	QM	On Qualified Manufacturers List
		Use in conjunction with the 1/REF/050 segment, REF01 code LX.
	QP	Restricted to Qualified Products List (QPL) Products
		Use in conjunction with the 1/REF/050 segment, REF01 code LX.
	SC	Ship Complete
		Use to indicate partial shipments will not be accepted. The absence of this code indicates that partial quantities may be shipped.
	SI	Ship In-Place
	T	Small Business with Small, Disadvantaged Business Consideration Set-Aside
	UC	Restricted to U.S. and Canadian Sources
	UL	Other Unlisted Sales Condition
		Use in conjunction with the 1/N9/290 segment, N901 code K7 and the 1/MSG/300 segment N903 to indicate a sales condition that is not specified by a specific code, e.g., restricted to vendors in a Historically Underutilized Business (HUB) Zone. Cite the literal "Other Sales Condition" in N903.
	UP	Unrestricted Procurement
	WY	Warranty
		Use to indicate a warranty is required.
	YI	Restricted to Young Investigator Program
	Z	Mutually Defined
		Use in conjunction with CSH03 or in conjunction

			with CSH09 and CSH10 code 18, to indicate a payment bond will be required if an award is received. Specify the lead time for submission of the bond in the 1/LDT/160 segment citing code AR in LDT01.		
Not Used	CSH02	306	**Action Code**	O	ID 1/2
			Code indicating type of action		
	CSH03	610	**Amount**	X	N2 1/15
			Monetary amount		
			1. When CSH01 is code D use to identify the dollar amount of a bid guarantee.		
			2. When CSH01 is code GS, use to identify the dollar amount of a performance bond.		
			3. When CSH01 is code Z, use to identify the dollar amount of a payment bond.		
Not Used	CSH04	508	**Account Number**	O	AN 1/35
			Account number assigned		
Not Used	CSH05	373	**Date**	O	DT 8/8
			Date expressed as CCYYMMDD		
Not Used	CSH06	559	**Agency Qualifier Code**	X	ID 2/2
			Code identifying the agency assigning the code values		
Not Used	CSH07	560	**Special Services Code**	X	ID 2/10
			Code identifying the special service		
	CSH08	566	**Product/Service Substitution Code**	O	ID 1/2
			Code indicating product or service substitution conditions		
			Use in conjunction with CSH01 code IS to indicate conditions applicable to offering a substitute product.		
		A	No Quantity or Unit of Measure Change Allowed		
		X	Equivalent Item Substitution		
			Use to indicate an "or equal" item.		
		Y	Alternate Item Substitution Allowed		
	CSH09	954	**Percent**	X	R 1/10
			Percentage expressed as a decimal		
			Cite 4.25% as .0425; cite 3% as .03 (note: leading and trailing zeros are suppressed).		
	CSH10	1004	**Percent Qualifier**	X	ID 1/2
			Code to qualify percent		
		18	Percent of Value		
			Use in conjunction with CSH01 code GS or Z to indicate the percentage of the award instrument		

		value required for a performance or payment bond.
BG	Bid Guarantee	
		Use in conjunction with CSH01 code D to indicate the percent of the quote amount required for a bid guarantee.
SA	Set Aside	
		Use to indicate the percentage of a set-aside.

Segment:	**SAC** Service, Promotion, Allowance, or Charge Information	
Position:	120	
Loop:		
Level:	Heading	
Usage:	Optional	
Max Use:	25	
Purpose:	To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge	

Syntax Notes:
1. At least one of SAC02 or SAC03 is required.
2. If either SAC03 or SAC04 is present, then the other is required.
3. If either SAC06 or SAC07 is present, then the other is required.
4. If either SAC09 or SAC10 is present, then the other is required.
5. If SAC11 is present, then SAC10 is required.
6. If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7. If SAC14 is present, then SAC13 is required.
8. If SAC16 is present, then SAC15 is required.

Semantic Notes:
1. If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
3. SAC08 is the allowance or charge rate per unit.
4. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
5. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
6. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
7. SAC16 is used to identify the language being used in SAC15.

Comments:
1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Notes: *1. Use this segment to solicit services, discounts, or potential charges (e.g., taxes) and quantities applicable to all of the line items. If the services, discounts, or potential charges apply to a specific line item, use the 2/SAC/130 segment.*

2. Offerors will respond in the offer with amounts and, if applicable, quantities, that apply to the services or discounts identified in this segment.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes

| M | SAC01 | 248 | **Allowance or Charge Indicator** | **M** | **ID 1/1** |

Code which indicates an allowance or charge for the service specified

    R   Allowance Request

Use to comply with the mandatory nature of this data element when soliciting a service, discount, or potential charge in SAC02 for which the bidder is to provide an amount in the offer.

| | SAC02 | 1300 | **Service, Promotion, Allowance, or Charge Code** | **X** | **ID 4/4** |

Code identifying the service, promotion, allowance, or charge

Any code may be used. The following is a list of preferred codes:

A310   Air Express Charge
A320   Air Transportation Charge
A480   Assembly
B180   Cleaning Charge
B610   Container Service Charge USA/Canada
Use to indicate a reusable container requirement.

B870   Customs Charge
B940   Cutting Charge
C000   Defective Allowance
C240   Disconnect Charge
C260   Discount - Incentive
Use to indicate a discount when payment is made using the government credit card.

C300   Discount - Special
Use to indicate an incremental quantity discount. An incremental quantity discount applies only to the quantity units within its specified range. Successive incremental discounts are applied against a total order quantity. For example, if different discounts are given for quantities, 1 - 10, 11 - 20, 21 - 30, etc., use of this code implies that for a quantity of 25, the first discount applies to the first 10 units, the second discount applies to the next 10 units and the third discount applies to the last 5 units. This is contrast to the F910 step ladder discount that applies a single discount to the total line item quantity.

C310   Discount
Use to indicate a general discount not related to a quantity or purchase amount. Offerors should not include any general discount within the C300 or F910 discount considerations.

C330   Distribution Fee
C370   Diversion Charge
C580   Emergency Service
C590   Emergency Surcharge

C880   Expediting Premium
D170   Free Goods
Use to indicate a quantity provided at no cost if a specified quantity or
monetary value is purchased, e.g., buy $100.00 and get 1 free; or buy
10, get 1 free.

D290   Full Truckload Allowance
D340   Goods and Services Charge
D440   Groupage Discount
Use to indicate a discount applicable to a line item total purchase
amount meeting or exceeding a specified threshold or range.

D500   Handling
D530   Hazardous Cargo Charge
D660   Hook-up Charge
D820   Inside Delivery
D870   Inspection
D890   Installation and Training
D900   Installation
E340   Less Than Truckload (LTL) Charge
Use to indicate a charge for less than a full carload or truckload.

E400   Loading (Labor Charges)
E930   One-Day Service
F150   Packaging Service
F460   Postage
F560   Premium Transportation
F830   Proof of Delivery
Use to indicate a charge for preparation of a DD Form 250.

F910   Quantity Discount
Use to indicate a step ladder discount applicable to a quantity range.
The discount specified for the quantity range containing the total line
item quantity is the discount to be applied to the unit price. This is
contrast to the C300 incremental discount that applies to that portion of
the total line item quantity within each increment.

G030   Reconnect Charge
G350   Rents and Leases
G470   Restocking Charge
G530   Rework
G580   Royalties
G600   Same-Day Service
G610   Saturday Delivery
G660   Scrap Allowance
G740   Service Charge
Use to indicate a basic charge for a service call.

G760   Set-up
G870   Shrink Wrap Charge
H000   Special Allowance
H110   Special Packaging
H170   Special Tooling Charge
H430   Storage
H540   Supplemental Items
Use to indicate Contractor Acquired Parts (CAP).

H550   Surcharge
H680   Tax - Governmental
Use to indicate that the offeror is required to identify the taxes applicable to the total quote amount that are not included in the unit prices. The offeror is to specify the tax type in the 1/SAC/120 segment of the 843 transaction set by use of the appropriate code in SAC02. Codes H680 and H850 may not be used by the offeror for this purpose.

H850   Tax
Use to indicate that the offeror is required to identify total taxes applicable to the total quote amount that are included in the unit prices. The offeror will use code H850 in SAC02 of the 843 transaction set to identify these total taxes.

H990   Testing Services Charge
I260   Transportation Direct Billing
I330   Two-Day Service
I380   Unloading (Labor Charges)
I530   Volume Discount
Use to indicate a discount applicable to a total order quantity or total order purchase amount meeting or exceeding a specified threshold or range.

I590   Warranties
ZZZZ   Mutually Defined
Use to indicate a training charge.

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	SAC03	559	**Agency Qualifier Code**	X	ID 2/2
			Code identifying the agency assigning the code values		
Not Used	SAC04	1301	**Agency Service, Promotion, Allowance, or Charge Code**	X	AN 1/10
			Agency maintained code identifying the service, promotion, allowance, or charge		
Not Used	SAC05	610	**Amount**	O	N2 1/15
			Monetary amount		
Not Used	SAC06	378	**Allowance/Charge Percent Qualifier**	X	ID 1/1
			Code indicating on what basis allowance or charge percent is calculated		

Not Used	SAC07	332	**Percent**	X	R 1/6

Percent expressed as a percent

Not Used	SAC08	118	**Rate**	O	R 1/9

Rate expressed in the standard monetary denomination for the currency specified

Not Used	SAC09	355	**Unit or Basis for Measurement Code**	X	ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Not Used	SAC10	380	**Quantity**	X	R 1/15

Numeric value of quantity

Not Used	SAC11	380	**Quantity**	O	R 1/15

Numeric value of quantity

Not Used	SAC12	331	**Allowance or Charge Method of Handling Code**	O	ID 2/2

Code indicating method of handling for an allowance or charge

Not Used	SAC13	127	**Reference Identification**	X	AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Not Used	SAC14	770	**Option Number**	O	AN 1/20

A unique number identifying available promotion or allowance options when more than one is offered

Not Used	SAC15	352	**Description**	X	AN 1/80

A free-form description to clarify the related data elements and their content

Not Used	SAC16	819	**Language Code**	O	ID 2/3

Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)

Segment:	**ITD** Terms of Sale/Deferred Terms of Sale	
Position:	130	
Loop:		
Level:	Heading	
Usage:	Optional	
Max Use:	5	
Purpose:	To specify terms of sale	
Syntax Notes:	1	If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.
	2	If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.
	3	If ITD09 is present, then at least one of ITD10 or ITD11 is required.
Semantic Notes:	1	ITD15 is the percentage applied to a base amount used to determine a late payment charge.
Comments:	1	If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.
Notes:	*Use this segment to identify the permitted frequency of contractor billings, the type of financing arrangements that will be authorized and to specify the payment method for the resulting award instrument.*	

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
ITD01	**336**	**Terms Type Code**	**O ID 2/2**

Code identifying type of payment terms

02	End of Month (EOM)	
07	Extended	

Use to indicate quarterly billings are permitted.

20	Progress Payment

1. Use to indicate that progress payments will be authorized.

2. When used, the Progress Payment rate, liquidation rate or alternate liquidation rate, may be specified in the 1/PCT/610 segment if they are other than the customary rates.

21	Fast Pay
PP	Prepayment

Use to indicate that advance payments will be authorized.

Not Used	**ITD02**	**333**	**Terms Basis Date Code**	**O ID 1/2**

Code identifying the beginning of the terms period

Not Used	**ITD03**	**338**	**Terms Discount Percent**	**O R 1/6**

Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date

Not Used	ITD04	370	**Terms Discount Due Date**	X	DT 8/8

Date payment is due if discount is to be earned expressed in format CCYYMMDD

Not Used	ITD05	351	**Terms Discount Days Due**	X	N0 1/3

Number of days in the terms discount period by which payment is due if terms discount is earned

Not Used	ITD06	446	**Terms Net Due Date**	O	DT 8/8

Date when total invoice amount becomes due expressed in format CCYYMMDD

Not Used	ITD07	386	**Terms Net Days**	O	N0 1/3

Number of days until total invoice amount is due (discount not applicable)

Not Used	ITD08	362	**Terms Discount Amount**	O	N2 1/10

Total amount of terms discount

Not Used	ITD09	388	**Terms Deferred Due Date**	O	DT 8/8

Date deferred payment or percent of invoice payable is due expressed in format CCYYMMDD

Not Used	ITD10	389	**Deferred Amount Due**	X	N2 1/10

Deferred amount due for payment

Not Used	ITD11	342	**Percent of Invoice Payable**	X	R 1/5

Amount of invoice payable expressed in percent

Not Used	ITD12	352	**Description**	O	AN 1/80

A free-form description to clarify the related data elements and their content

Not Used	ITD13	765	**Day of Month**	X	N0 1/2

The numeric value of the day of the month between 1 and the maximum day of the month being referenced

	ITD14	107	**Payment Method Code**	O	ID 1/2

Code identifying type of payment procedures

	AC		Credit Card
	E		Electronic Payment System

Not Used	ITD15	954	**Percent**	O	R 1/10

Percentage expressed as a decimal

	Segment:	**DTM** Date/Time Reference
	Position:	150
	Loop:	
	Level:	Heading
	Usage:	Optional
	Max Use:	10
	Purpose:	To specify pertinent dates and times
	Syntax Notes:	**1** At least one of DTM02 DTM03 or DTM05 is required.
		2 If DTM04 is present, then DTM03 is required.
		3 If either DTM05 or DTM06 is present, then the other is required.
	Semantic Notes:	
	Comments:	
	Notes:	*Use this segment to identify dates applicable to the solicitation or the resulting award instrument. Use the 2/DTM/200 segment for delivery and other dates that apply to the line items.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	DTM01	374	**Date/Time Qualifier**	M ID 3/3

Code specifying type of date or time, or both date and time

002	Delivery Requested	

Use to indicate that delivery is being requested earlier than required by a basic award instrument.

007	Effective	

Use in conjunction with DTM05 code RD8 to indicate the ordering period of an Agreement or an IDC award instrument per FAR clause 52.216-18. Specify the date range in DTM06.

017	Estimated Delivery	
063	Do Not Deliver After	

Use to indicate that deliveries cannot be made after a specified date and/or time.

064	Do Not Deliver Before	

Use to indicate that deliveries cannot be made before a specified date and/or time.

077	Requested for Delivery (Week of)	

When this code is used, cite the beginning day of the week.

093	Contract Expiration	

Use to indicate the expiration date for the award instrument resulting from this solicitation.

099	Bid Open (Date Bids Will Be Opened)	

		Use in conjunction with the 1/BQT/020 segment, BQT07 code 03, to indicate the bid opening date and time.
	106	Required By
		Use to indicate delivery is required exactly on the date specified.
	174	Month Ending
		Use to indicate delivery is required within the specified month. In DTM02, identify the month and cite the last calendar day of the month.
	193	Period Start
		1. Use to indicate the start of a period of performance or lease.
		2. When this code is used, there must be another iteration of this segment citing code 194 in DTM01.
	194	Period End
		1. Use to indicate the end of a period of performance or lease.
		2. When this code is used, there must be another iteration of this segment citing code 193 in DTM01.
	368	Submittal
		When REF01 is Code TN, use to indicate the date of a related transaction set.
	375	Delivery Start
		1. Use to indicate the start date/time for deliveries when the total quantity is to be delivered during a specified period.
		2. When this code is used, there must be another iteration of this segment citing code 376 in DTM01.
	376	Delivery End
		1. Use to indicate the end date/time when the total quantity is to be delivered during a specified period.
		2. When this code is used, there must be another iteration of this segment citing code 375 in DTM01.
	565	Date of Property Inspection
		Use in conjunction with the 1/N1/310 segment,N101 code EL, to indicate the date and time of a site or property inspection.

			644	Meeting		
				Use to indicate the date and time for pre-solicitation or pre-proposal conference.		
			937	Department of Labor Wage Determination Date		
				Use to indicate the date of a Department of Labor Wage Determination. If revisions or modifications are applicable to a Wage Determination, cite the date of the most recent revision or modification in DTM02.		
			996	Required Delivery		
				Use to indicate delivery is required on or before the specified date.		
			997	Quote to be Received By		
				Use to indicate the closing date for an offer.		

	DTM02	373	**Date**	**X**	**DT 8/8**

Date expressed as CCYYMMDD

	DTM03	337	**Time**	**X**	**TM 4/8**

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

When DTM01 is code 099, 565, 644, or 997, use to identify the related time only in the HHMM format using the local time for that location.

Not Used	DTM04	623	**Time Code**	**O**	**ID 2/2**

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

	DTM05	1250	**Date Time Period Format Qualifier**	**X**	**ID 2/3**

Code indicating the date format, time format, or date and time format

Use in conjunction with DTM01 code 007 to qualify a range of dates or times.

	RD8	Range of Dates Expressed in Format CCYYMMDD-CCYYMMDD
	RTM	Range of Time Expressed in Format HHMM-HHMM

	DTM06	1251	**Date Time Period**	**X**	**AN 1/35**

Expression of a date, a time, or range of dates, times or dates and times

When used to identify a time range for deliveries on a specified date, use code RTM in DTM06 to qualify a delivery time range, e.g., for March 30, 1994 between 1:00 PM and 4:00 PM local time. Use DTM01/02 to convey the March 30, 1994 date.

Segment:	**LDT** Lead Time		
Position:	160		
Loop:			
Level:	Heading		
Usage:	Optional		
Max Use:	12		
Purpose:	To specify lead time for availability of products and services		
Syntax Notes:			
Semantic Notes:	1 LDT04 is the effective date of lead time information.		
Comments:	1 LDT02 is the quantity of unit of time periods.		
Notes:	*1. Use this segment to identify time periods that quotes must remain valid for acceptance.*		
	2. This segment can be also used to identify a delivery schedule that applies to all of the line items in a solicitation for a basic award instrument. When the delivery lead time varies by line item in a solicitation for a basic award instrument, use the 2/LDT/302 segment.		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	LDT01	345	**Lead Time Code**	M ID 2/2

Code indicating the time range

AD	From date of sample approval to first product shipment	
AE	From date of PO receipt to shipment	
	Use to indicate the delivery lead time for all line items in a solicitation for a basic award instrument against which delivery orders will be placed when such instruments do not specify the lead time by line item.	
AF	From date of PO receipt to delivery	
	Use to indicate the delivery lead time for all line items in a solicitation for a basic award instrument against which delivery orders will be placed when such instruments do not specify the lead time by line item.	
AR	From Date of Award to Government Receipt of Bond	
	Use to indicate the lead time for submission of a performance or payment bond. The bond is required only if the offeror receives an award.	
AT	From Bid Opening to Expiration of Bid	
	Use to specify the number of days from the date for receipt of offers within which an offer resulting from this solicitation may be accepted.	

			AV	From Date of Award to Date of Latest Delivery	
				Use to indicate the delivery lead time for all line items in a solicitation for a basic award instrument against which delivery orders will be placed when such instruments do not specify the lead time by line item.	
			AW	From Date of Award to Date of Earliest Delivery	
				Use to indicate the delivery lead time for all line items in a solicitation for a basic award instrument against which delivery orders will be placed when such instruments do not specify the lead time by line item.	
			AX	From Date of Award to Date of Completion	
				Use to indicate the completion date, e.g., for a level of effort.	
			AY	From Date of Award to Date of Delivery	
				Use to indicate the delivery lead time for all line items in a solicitation for a basic award instrument against which delivery orders will be placed when such instruments do not specify the lead time by line item.	
			AZ	From Date of Receipt of Item to Date of Approval of Item	
			BC	From Date of Award to Commencement of Performance	
				Use in solicitations for construction contracts to indicate a lead time from the date of a Notice to Proceed to the date of the commencement of performance.	
			BE	From Date of Option Exercise to Date of Completion	
				Use in solicitations for construction contracts to indicate a lead time from the date of a Notice to Proceed to the date of completion.	
M	LDT02	380	**Quantity**		M R 1/15
			Numeric value of quantity		
M	LDT03	344	**Unit of Time Period or Interval**		M ID 2/2
			Code indicating the time period or interval		
			CY	Calendar Year	
			DA	Calendar Days	
			DW	Work Days	
			KK	Maximum Calendar Days	
				Use to indicate a flexible time period, e.g., X number of days or less.	

			MO	Month		
			QY	Quarter of a Year		
			SA	Semiannual		
			WK	Weeks		
Not Used	**LDT04**	**373**	**Date**		**O**	**DT 8/8**
			Date expressed as CCYYMMDD			

Segment:	**PID** Product/Item Description	
Position:	190	
Loop:		
Level:	Heading	
Usage:	Optional	
Max Use:	200	
Purpose:	To describe a product or process in coded or free-form format	
Syntax Notes:	1	If PID04 is present, then PID03 is required.
	2	At least one of PID04 or PID05 is required.
	3	If PID07 is present, then PID03 is required.
	4	If PID08 is present, then PID04 is required.
	5	If PID09 is present, then PID05 is required.
Semantic Notes:	1	Use PID03 to indicate the organization that publishes the code list being referred to.
	2	PID04 should be used for industry-specific product description codes.
	3	PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
	4	PID09 is used to identify the language being used in PID05.
Comments:	1	If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
	2	Use PID06 when necessary to refer to the product surface or layer being described in the segment.
	3	PID07 specifies the individual code list of the agency specified in PID03.
Notes:	*1. Use this segment to provide an overall description of the solicitation that applies to all line items or the title of a grant. When descriptions vary by line item, transmit a general description in this segment and use the 2/PID/050 segment to transmit the varying descriptions.*	
	2. Use is discouraged. Whenever possible, items should be described by successive iterations of 235/234 pairs in the 2/PO1/010 segment or by reference number. Use codified data whenever possible.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	PID01	349	**Item Description Type**	M	ID 1/1
			Code indicating the format of a description		
			F Free-form		
Not Used	PID02	750	**Product/Process Characteristic Code**	O	ID 2/3
			Code identifying the general class of a product or process characteristic		
Not Used	PID03	559	**Agency Qualifier Code**	X	ID 2/2
			Code identifying the agency assigning the code values		
Not Used	PID04	751	**Product Description Code**	X	AN 1/12
			A code from an industry code list which provides specific data about a		

product characteristic

| | **PID05** | **352** | **Description** | **X** | **AN 1/80** |

A free-form description to clarify the related data elements and their content

Use of free form text is discouraged if the information can be provided by some other means within the transaction set.

| **Not Used** | **PID06** | **752** | **Surface/Layer/Position Code** | **O** | **ID 2/2** |

Code indicating the product surface, layer or position that is being described

| **Not Used** | **PID07** | **822** | **Source Subqualifier** | **O** | **AN 1/15** |

A reference that indicates the table or text maintained by the Source Qualifier

| **Not Used** | **PID08** | **1073** | **Yes/No Condition or Response Code** | **O** | **ID 1/1** |

Code indicating a Yes or No condition or response

| **Not Used** | **PID09** | **819** | **Language Code** | **O** | **ID 2/3** |

Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)

Segment:	**MEA** Measurements
Position:	200
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	40
Purpose:	To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)
Syntax Notes:	1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
	2 If MEA05 is present, then MEA04 is required.
	3 If MEA06 is present, then MEA04 is required.
	4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
	5 Only one of MEA08 or MEA03 may be present.
Semantic Notes:	1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
Comments:	1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.
Notes:	*1. Use this segment to provide information that applies to all of the line items. If information varies by line item, use the 2/MEA/049 segment.*
	2. This segment can be used to provide measurements applicable to the solicitation including: the percents or rank order for the evaluation factors that will be used for this procurement; the maximum size standards for the Standard Industrial Classification (SIC) Code or North American Industry Classification System (NAICS) Code applicable to this procurement; the time periods for ordering restrictions; quantity variations; and the length of a required warranty.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
MEA01	737	**Measurement Reference ID Code**	O ID 2/2

Code identifying the broad category to which a measurement applies

Use any code.

BT   Batch Limits
When BQT06 is code KB, KD, KE, KI, KQ, or KR, use to indicate the minimum and maximum limits of the Government's obligation to order either in terms of dollars or quantity under a basic type award instrument. When BQT06 is code KT or RL, use to indicate the minimum and maximum limits of the Government's obligation to order either in terms of dollars or quantity under the specific Task Order or Delivery Order. Use MEA04-C00101 to identify the unit of measure (dollars, each, etc.) and use MEA05/06 to specify the minimum and maximum.

CS   Core Size

Use in conjunction with the 1/REF/050 segment, REF01 code PG or code IJ, to indicate the maximum size standard, either as the number of employees or the annual revenue, for the cited NAICS code or SIC code. Identify the maximum size in MEA03 and the basis (revenue or employees) in MEA04-C00101.

EF   Evaluation Factors
Use in conjunction with an applicable MEA02 code to indicate the evaluation factors used for this procurement.

LT   Lot Limits
Use to indicate the minimum and maximum limits of the contractor's obligation either in terms of dollars or quantity to deliver under a basic type award instrument. Do not use for a purchase order or a delivery order. Use MEA04-C00101 to identify the unit of measure (dollars, each, etc.) and use MEA05/06 to specify the minimum and maximum.

OL   Order Limits
Use to indicate the maximum the Government may order from a basic type procurement instrument in a specified time period. Do not use for a purchase order or a delivery order. Use MEA03 to identify the quantity, MEA04-C00101 to identify the unit of measure, and MEA04 -C00104 to identify the time period.

PM   Permitted
Use to indicate the minimum and maximum quantity or dollars permitted per order against a basic type award instrument. Use MEA04 -C00101 to identify the unit of measure (dollars, each, etc.) and use MEA05/06 to specify the minimum and maximum.

QV   Quantity Variation
Use to indicate variations in quantity that are permitted. When the quantity variation is expressed as a discrete quantity, cite in MEA04 -C00101, the same code cited in PO103 of all of the 1/PO1/010 loops to which the quantity variation applies, e.g., EA, LB, etc., and specify the quantity under and/or over in MEA05/06. If the quantity variation is expressed as a percent, cite code P1 in MEA04-C00101.

RS   Response Time
Use to indicate the number of days within which the contractor must reject an order exceeding the maximum order limitations per FAR clause 52.216-19.

WR   Warranty
Use in conjunction with the 1/CSH/110 segment, CSH01 code WY and MEA03/04-1 to indicate a warranty period.

Refer to 004010 Data Element Dictionary for acceptable code values.

MEA02	**738**	**Measurement Qualifier**		**O ID 1/3**

Code identifying a specific product or process characteristic to which a measurement applies

COS   Cost

Use in conjunction with MEA01 code EF, to identify the evaluation factor to which the measurement value in MEA03 applies.

CSR   Cost Realism

Use in conjunction with MEA01 code EF, to identify the evaluation factor to which the measurement value in MEA03 applies.

DIS   Dispersion

Use in conjunction with MEA01 code EF, to indicate an evaluation factor for industrial base consideration to which the measurement value in MEA03 applies.

HK   Human Factors

Use in conjunction with MEA01 code EF, to identify the evaluation factor to which the measurement value in MEA03 applies.

MM   Management

Use in conjunction with MEA01 code EF, to identify the evaluation factor to which the measurement value in MEA03 applies.

MX   Maximum

1. Use in conjunction with MEA01 code CS to indicate he maximum size standard applicable to the SIC or NAICS code specified in the 1/REF/050 segment.

2. Use in conjunction with MEA01 code OL to indicate the maximum amount that can be ordered in a specified time period.

OTT   Others Total

Use in conjunction with MEA01 code EF, to identify an evaluation factor value not otherwise associated with another code to which the measurement value in MEA03 applies.

P1   Price

Use in conjunction with MEA01 code EF, to identify the evaluation factor to which the measurement value in MEA03 applies.

PRE   Prior Experience

> *Use in conjunction with MEA01 code EF, to identify the evaluation factor to which the measurement value in MEA03 applies.*

    PSP   Past Performance

> *Use in conjunction with MEA01 code EF, to identify the evaluation factor to which the measurement value in MEA03 applies.*

    QL   Quality

> *Use in conjunction with MEA01 code EF, to identify the evaluation factor to which the measurement value in MEA03 applies.*

    RY   Ratio

> *When BQT08 is code CA, CH, CY, FB, FC, FF, or FG, use to indicate the Government and contractor share ratio. Identify the Government share in MEA05 and the contractor share in MEA06.*

    SCH   Schedule

> *Use in conjunction with MEA01 code EF, to identify the evaluation factor to which the measurement value in MEA03 applies.*

    T3   Technical

> *Use in conjunction with MEA01 code EF, to identify the evaluation factor to which the measurement value in MEA03 applies.*

    TT   Time

> *Use in conjunction with MEA01 code WR to indicate the length of a warranty period. Specify the length of time in MEA03 and the time period in MEA04-C00101.*

    ZZZ   Mutually Defined

> *Use this code to indicate minimum guarantee award quantity percentage, minimum guarantee award quantity/amount, maximum ceiling award quantity/amount, and minimum guarantee award amount percentage. When this code is used to specify minimum guarantee award quantity or maximum ceiling award quantity, cite code EA in MEA04-C00101, the minimum quantity in MEA05 or the maximum quantity in MEA06. To specify minimum guarantee award amount or maximum ceiling award amount, cite code DO in MEA04 -C00101, the minimum amount in MEA05 or the maximum amount in MEA06. To specify minimum guarantee award amount percentage,*

cite code DO in MEA04-C00101, code P1 in MEA04-04, and the minimum amount percentage in MEA05. To specify minimum guarantee award quantity percentage, cite code EA in MEA04 -C00101, code P1 in MEA04-04, and the minimum quantity percentage in MEA05.

| | MEA03 | 739 | **Measurement Value** | X | R 1/20 |

The value of the measurement

| | MEA04 | C001 | **Composite Unit of Measure** | X | |

To identify a composite unit of measure (See Figures Appendix for examples of use)

1. This composite unit of measure can be used to indicate the maximum that may be ordered during a specified period of time under a basic type award instrument and to specify the minimum guaranteed award amount/quantity percentage.

2. For example: If the maximum that can be ordered per quarter is 10,000 each, then MEA01 would cite code OL, MEA02 would cite MX, MEA03 would cite 10,000, MEA04-C00101 would cite EA, and MEA04 -C00104 would cite Q1.

3. To specify the minimum guarantee award amount/quantity percentage, cite code ZZZ in MEA02, either code DO or EA in MEA04 -C00101 and code P1 in MEA04-C00104.

| M | C00101 | 355 | **Unit or Basis for Measurement Code** | M | ID 2/2 |

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

1. Use any code other than code ZZ. Use the listed codes in accordance with the code notes.

IE   Person
Use in conjunction with MEA01 code CS, to indicate the SIC or NAICS size standard in terms of number of employees.

R5   Thousands of Dollars
Use in conjunction with MEA01 code CS, to indicate the SIC or NAICS size standard in terms of dollar amount of sales.

R6   Millions of Dollars
Use in conjunction with MEA01 code CS, to indicate the SIC or NAICS size standard in terms of dollar amount of sales.

2. When MEA01 is code QV, the code cited in MEA04-C00101 MUST be code P1 or the same code cited in PO103 of all the 2/PO1/010 segment.

3. Use codes DA, LL, MO, and YR in conjunction with MEA01 code WR.

4. When MEA01 is Code EF, either code P1 or code UN, should be used in conjunction with an appropriate code in MEA02. Use of code P1 indicates the evaluation factor is expressed as a percent. Use of code UN indicates that the evaluation factor is expressed as a rank order, e.g., the number 2 would indicate the evaluation factor is the second in the order of precedence.

5. When MEA01 is code RS, cite code DA.

6. When MEA01 is any other code, cite an applicable unit of measure code.

7. An application program conversion table may be required to convert agency codes to ASC X12 codes.

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	C00102	1018	**Exponent**	O	R 1/15

Power to which a unit is raised

Not Used	C00103	649	**Multiplier**	O	R 1/10

Value to be used as a multiplier to obtain a new value

	C00104	355	**Unit or Basis for Measurement Code**	O	ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

1. Use any code other than code ZZ.

2. An application program conversion table may be required to convert agency codes to ASC X12 codes.

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	C00105	1018	**Exponent**	O	R 1/15

Power to which a unit is raised

Not Used	C00106	649	**Multiplier**	O	R 1/10

Value to be used as a multiplier to obtain a new value

Not Used	C00107	355	**Unit or Basis for Measurement Code**	O	ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Not Used	C00108	1018	**Exponent**	O	R 1/15

Power to which a unit is raised

Not Used	C00109	649	**Multiplier**	O	R 1/10

Value to be used as a multiplier to obtain a new value

Not Used	C00110	355	**Unit or Basis for Measurement Code**	O	ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Not Used	C00111	1018	**Exponent**	O	**R 1/15**

Power to which a unit is raised

Not Used	C00112	649	**Multiplier**	O	**R 1/10**

Value to be used as a multiplier to obtain a new value

Not Used	C00113	355	**Unit or Basis for Measurement Code**	O	**ID 2/2**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Not Used	C00114	1018	**Exponent**	O	**R 1/15**

Power to which a unit is raised

Not Used	C00115	649	**Multiplier**	O	**R 1/10**

Value to be used as a multiplier to obtain a new value

	MEA05	740	**Range Minimum**	X	**R 1/20**

The value specifying the minimum of the measurement range

1. When MEA01 is code QV, use to specify the variation in quantity under.

2. When MEA01 is code BT, LT, or PM, use to specify the minimum amount or quantity.

3. When MEA02 is RY, use to specify the Government share.

4. When MEA02 is code ZZZ, MEA04-C00101 is code EA and MEA04-C00104 is code P1, use to specify the minimum guarantee award quantity percentage.

5. When MEA02 is code ZZZ and MEA04-C00101 is code EA, use to specify the minimum guarantee award quantity.

6. When MEA02 is code ZZZ, MEA04-C00101 is code DO and MEA04-C00404 is code P1, use to specify the minimum guarantee award amount percentage.

7. When MEA02 is code ZZZ and MEA04-C00101 is code DO, use to specify the minimum guarantee award amount.

8. Percents will be cited as follows: 4.25% will be cited as 4.25; 3% will be cited as 3 (note: leading and trailing zeros are suppressed).

	MEA06	741	**Range Maximum**	X	**R 1/20**

The value specifying the maximum of the measurement range

1. When MEA01 is code QV, use to specify the variation in quantity over.

2. When MEA01 is code BT, LT, or PM, use to specify the maximum amount or quantity.

3. When MEA02 is RY, use to specify the contractor share.

4. When MEA02 is code ZZZ and MEA04-C00101 is code EA, use to specify the maximum ceiling award quantity.

5. When MEA02 is code ZZZ and MEA04-C00101 is code DO, use to specify the maximum ceiling award amount.

6. Percents will be cited as follows: 4.25% will be cited as 4.25; 3% will be cited as 3 (note: leading and trailing zeros are suppressed).

Not Used	MEA07	935	**Measurement Significance Code**	O	ID 2/2

Code used to benchmark, qualify or further define a measurement value

Not Used	MEA08	936	**Measurement Attribute Code**	X	ID 2/2

Code used to express an attribute response when a numeric measurement value cannot be determined

Not Used	MEA09	752	**Surface/Layer/Position Code**	O	ID 2/2

Code indicating the product surface, layer or position that is being described

Not Used	MEA10	1373	**Measurement Method or Device**	O	ID 2/4

The method or device used to record the measurement

		PWK Paperwork
Segment:		
Position:	210	
Loop:		
Level:	Heading	
Usage:	Optional	
Max Use:	25	
Purpose:	To identify the type or transmission or both of paperwork or supporting information	
Syntax Notes:	1	If either PWK05 or PWK06 is present, then the other is required.
Semantic Notes:		
Comments:	1	PWK05 and PWK06 may be used to identify the addressee by a code number.
	2	PWK07 may be used to indicate special information to be shown on the specified report.
	3	PWK08 may be used to indicate action pertaining to a report.

Notes: *1. Use this segment when the paperwork information applies to all of the line items. Use the 2/PWK/070 segment if the information varies by line item.*

2. Use this segment to identify paperwork required to be provided by the offeror in response to the solicitation, or paperwork that will be required under the resultant award instrument, or paperwork being provided as part of the solicitation and, if necessary, how that paperwork will be transmitted.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	PWK01	755	**Report Type Code**	M ID 2/2

Code indicating the title or contents of a document, report or supporting item

Use to identify the type of paperwork that must be provided by the offeror or is being provided by the buying party.

22	Functional Plan

Use in conjunction with PWK08-1, code PV, to indicate a source selection or evaluation plan.

25	Purchase Plan

Use in conjunction with PWK08-1, code 5, to indicate a make or buy plan is required.

27	Contract Delivery Schedule

Use in conjunction with PWK08-1, code 2, to indicate a General Services Administration Form 1611 or similar document.

35	Subcontractor Plan

Use in conjunction with PWK08-1, code 5.

AE	Attachment

Use in conjunction with PWK07 and PWK08-1, code PV, to indicate some additional document,

e.g., list of government furnished property, applicable to the solicitation is being sent by means other than within the transaction set.

BA   Budget

Use in conjunction with PWK08-1, code 2, to indicate a Grant financial report.

C1   Cost Data Summary

Use in conjunction with PWK08-1, code 5, to indicate non-certified cost and price data.

C5   Certified Cost and Price Data

Use in conjunction with PWK08-1, code 5.

C6   Wage Determination

Use in conjunction with the 1/REF/050 segment, REF01 code 2Y, and PWK08-1, code PV, to indicate a Department of Labor Wage Determination.

CP   Certificate of Compliance (Material Certification)

Use to indicate a Certificate of Conformance.

CX   Cost/Schedule Status Report (C/SSR)

CY   Contract Funds Status Report (CFSR)

DW   Drawing(s)

Use in conjunction with PWK08-1, code PV.

EL   Eligibility

Use in conjunction with PWK08-1, code 2, to indicate a Grant disclosure report.

F1   Cost Performance Report (CPR) Format 1

F2   Cost Performance Report (CPR) Format 2

F3   Cost Performance Report (CPR) Format 3

F4   Cost Performance Report (CPR) Format 4

F5   Cost Performance Report (CPR) Format 5

IT   Certified Inspection and Test Results

Use to indicate a test report for a Qualified Products List (QPL) product.

KF   Support Documents

Use in conjunction with PWK08-1, code 2, to indicate Grant supporting technical documentation.

MR   Material Inspection and Receiving Report

Use in conjunction with PWK08-1, code 2.

MS   Material Safety Data Sheet

Use in conjunction with PWK08-1, code 5.

PD   Proof of Delivery

Use in conjunction with PWK08-1, code 2.

PJ	Purchasing Specification	

Use in conjunction with PWK08-1, code PV, to indicate a Statement of Work (SOW).

PM	Proof of Insurance	

Use in conjunction with PWK08-1, code 5.

PP	Proposal	

Use in conjunction with PWK08-1, code 5.

SD	Support Data for a Request for Quote	

Use in conjunction with PWK08-1, code PV, to indicate that supporting technical documentation, e.g., engineering data list, bill of materials, etc., is being provided by the buying party.

SF	Contract Security Classification Specification	

Use in conjunction with PWK08-1, code PV, to indicate that additional information relative to the Contract Security Classification Specification being transmitted in this transaction set will be provided.

SN	Shipping Notice	
SP	Specification	

Use in conjunction with PWK08-1, code PV.

UA	Union Agreement	

Use in conjunction with PWK08-1, code 5.

US	"BUY AMERICA" Certification of Compliance	

Use in conjunction with PWK08-1, code 5.

WP	Work Progress	

Use in conjunction with PWK08-1, code 2, to indicate a Grant progress report.

PWK02	**756**	**Report Transmission Code**	**O**	**ID 1/2**

Code defining timing, transmission method or format by which reports are to be sent

While any listed code can be used, code EL is preferred when the indicated paperwork can be provided electronically using one of the transaction sets specifically designed for the purpose.

BM	By Mail	

Use to indicate transmittal via the United States Postal Service (USPS).

CF	Courier	

Use to indicate transmittal via commercial express courier.

DA	Data	

Use in conjunction with PWK07 to indicate other

forms of electronic transfer.

	EL	Electronically Only

1. Use to indicate that data has been or should be sent by a separate EDI transaction set.

2. If the data has been sent by a separate EDI transaction set, use the 1/REF/050 segment, REF01 code TN, to identify the unique number of the transaction set.

	EM	E-Mail
	FT	File Transfer

Use to indicate an FTP site. Provide the FTP address in PWK07.

	FX	By Fax
	IA	Electronic Image

Use, in conjunction with PWK08-01, code PV, to indicate the World Wide Web. When used, provide the Universal Resource Locator (URL) where information is to be obtained in PWK07.

	WS	With Shipment (With Package)

PWK03   757   Report Copies Needed   O   N0 1/2

The number of copies of a report that should be sent to the addressee

The number of copies is assumed to be 1 unless a greater number is specified in this data element.

PWK04   98   Entity Identifier Code   O   ID 2/3

Code identifying an organizational entity, a physical location, property or an individual

Use in conjunction with the same N101 code values in the 1/N1/310 segment to identify the recipient of the paperwork. If there is more than one recipient for the same paperwork item, use multiple repetitions of the PWK segment with the same report code in PWK01. Optionally, identify the communications number of the recipient in the 1/PER/360 segment.

	7D	Contracting Officer Representative
	7N	Party to Receive Proposal
	BY	Buying Party (Purchaser)

Use to indicate the Contracting Officer.

	C4	Contract Administration Office
	HMI	Material Safety Data Sheet (MSDS) Recipient

Use in conjunction with PWK01 code MS to indicate the Agency's Hazardous Material Information System (HMIS) central focal point to whom Material Safety Data Sheets are to be sent.

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			IS	Party to Receive Certified Inspection Report		

Use in conjunction with PWK01 code MR.

			KF	Audit Office
			KG	Project Manager

Use to indicate the government party responsible for a project including the Advisor under a Grant.

			KY	Technical Office
			TS	Party to Receive Certified Test Results

Use in conjunction with PWK01 code IT.

			ZD	Party to Receive Reports

Not Used	PWK05	66	**Identification Code Qualifier**	X	**ID 1/2**

Code designating the system/method of code structure used for Identification Code (67)

Not Used	PWK06	67	**Identification Code**	X	**AN 2/80**

Code identifying a party or other code

	PWK07	352	**Description**	O	**AN 1/80**

A free-form description to clarify the related data elements and their content

1. Use only if necessary to provide additional information or instructions applicable to a specific paperwork item.

2. When PWK01 is code AE, use to identify the document.

3. When PWK02 is code DA, use to identify the other form of electronic transfer.

4. When PWK02 is code FT or IA, use to identify the Universal Resource Locator (URL).

5. Use of free form text is discouraged if the information can be provided by means of codes or data values within the transaction set.

	PWK08	C002	**Actions Indicated**	O	

Actions to be performed on the piece of paperwork identified

M	C00201	704	**Paperwork/Report Action Code**	M	**ID 1/2**

Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required

			2	Report to be Filed

Use in conjunction with PWK01 codes 27, BA, EL, C6, CP, CX, CY, F1, F2, F3, F4, F5, IT, KF, MR, PD, SN, or WP, to indicate the specified paperwork will be required under the resultant award instrument.

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			5	Generate		

Use in conjunction with PWK01 codes 25, 35, C1, C5, MS, PM, PP, UA, or US, to indicate the specified paperwork must be provided in the response to this solicitation.

			PV	Provided		

Use in conjunction with PWK01 codes 22, AE, C6, DW, PJ, SD, SF, or SP, to indicate the specified paperwork will be provided by the buying party.

Not Used	C00202	704	**Paperwork/Report Action Code**	**O**	**ID 1/2**

Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required

Not Used	C00203	704	**Paperwork/Report Action Code**	**O**	**ID 1/2**

Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required

Not Used	C00204	704	**Paperwork/Report Action Code**	**O**	**ID 1/2**

Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required

Not Used	C00205	704	**Paperwork/Report Action Code**	**O**	**ID 1/2**

Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required

Not Used	PWK09	1525	**Request Category Code**	**O**	**ID 1/2**

Code indicating a type of request

Segment:	**PKG** Marking, Packaging, Loading	
Position:	220	
Loop:		
Level:	Heading	
Usage:	Optional	
Max Use:	200	
Purpose:	To describe marking, packaging, loading, and unloading requirements	
Syntax Notes:	1	At least one of PKG04 PKG05 or PKG06 is required.
	2	If PKG04 is present, then PKG03 is required.
	3	If PKG05 is present, then PKG01 is required.
Semantic Notes:	1	PKG04 should be used for industry-specific packaging description codes.
Comments:	1	Use the MEA (Measurements) Segment to define dimensions, tolerances, weights, counts, physical restrictions, etc.
	2	If PKG01 equals "F", then PKG05 is used. If PKG01 equals "S", then PKG04 is used. If PKG01 equals "X", then both PKG04 and PKG05 are used.
	3	Use PKG03 to indicate the organization that publishes the code list being referred to.
	4	Special marking or tagging data can be given in PKG05 (description).

Notes:

1. Use this segment to identify packaging requirements that apply to all of the line items. If the packaging requirements vary by line item, use the 2/PKG/080 or 2/PKG/450 segment.

2. Packaging information such as the number of items in a unit container; the number of unit containers in an intermediate container; and the gross weight, cube and dimensions of a unit or intermediate container is carried in the 2/PO4/090 segment.

3. The use of MILSTD 2073-1C codes to identify packaging requirements for items in this award instrument are primarily for items that are expected to enter the military distribution system. Commercial packaging is expected to be used to the maximum extent possible for all other items.

4. Commercial packaging requirements are specified by the use of PWK02 code PK, and citing the corresponding code U in PKG04.

Data Element Summary

Ref. Des.	Data Element	Name		Attributes
PKG01	**349**	**Item Description Type**	**X**	**ID 1/1**
		Code indicating the format of a description		
		F	Free-form	
		S	Structured (From Industry Code List)	
		X	Semi-structured (Code and Text)	
PKG02	**753**	**Packaging Characteristic Code**	**O**	**ID 1/5**
		Code specifying the marking, packaging, loading and related characteristics being described		

Use the listed codes to identify the applicable packaging requirements.

CD	Cleaning or Drying Procedure
CT	Cushioning Thickness
CUD	Cushioning and Dunnage
IC	Intermediate Container
OPI	Optional Procedure Indicator
PK	Packing

To specify commercial packaging, cite code U in PKG04.

PM	Preservation Method
PML	Preservation Material
SMK	Special Marking
UC	Unit Container
UCL	Unit Container Level
WM	Wrapping Material

PKG03   559   Agency Qualifier Code   X   ID 2/2

Code identifying the agency assigning the code values

DF	Department of Defense (DoD)
GS	General Services Administration (GSA)
ZZ	Mutually Defined

Use to indicate a federal activity other than DoD or GSA.

PKG04   754   Packaging Description Code   X   AN 1/7

A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product

1. The actual codes associated with the packaging characteristic codes cited in PKG02 can be found in ASC X12 Code Source List 197 (which is MIL-STD 2073-1C).

2. Whenever a code used in PKG04 requires an explanation or additional information, provide it in PKG05.

PKG05   352   Description   X   AN 1/80

A free-form description to clarify the related data elements and their content

1. Use to provide Supplemental Instructions or Special Packaging Instructions. If the information to be provided exceeds the maximum length of this data element, provide the information in the 1/N9/290 loop, using code K7 in N901.

2. Use of free form text is discouraged if the information can be provided by some other means within the transaction set.

PKG06   400   Unit Load Option Code   X   ID 2/2

Code identifying loading or unloading a shipment

| 01 | Palletized |
| 10 | Shrink-wrap |

Segment:	**TD5** Carrier Details (Routing Sequence/Transit Time)	
Position:	240	
Loop:		
Level:	Heading	
Usage:	Optional	
Max Use:	12	
Purpose:	To specify the carrier and sequence of routing and provide transit time information	
Syntax Notes:	1	At least one of TD502 TD504 TD505 TD506 or TD512 is required.
	2	If TD502 is present, then TD503 is required.
	3	If TD507 is present, then TD508 is required.
	4	If TD510 is present, then TD511 is required.
	5	If TD513 is present, then TD512 is required.
	6	If TD514 is present, then TD513 is required.
	7	If TD515 is present, then TD512 is required.
Semantic Notes:	1	TD515 is the country where the service is to be performed.
Comments:	1	When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.
Notes:		*Use this segment to identify the transportation method that is applicable to all of the line items. If the transportation method varies by line item, use the 2/TD5/250 segment.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Not Used	TD501	133	**Routing Sequence Code**	O	ID 1/2
			Code describing the relationship of a carrier to a specific shipment movement		
	TD502	66	**Identification Code Qualifier**	X	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
			10 Department of Defense Activity Address Code (DODAAC)		
			When TD504 is code PL, use to indicate the DoDAAC of the pipeline.		
	TD503	67	**Identification Code**	X	AN 2/80
			Code identifying a party or other code		
	TD504	91	**Transportation Method/Type Code**	X	ID 1/2
			Code specifying the method or type of transportation for the shipment		
			1. Use any code other than code ZZ.		
			2. An application program conversion table may be required to convert agency codes to ASC X12 codes.		

			D Parcel Post		
			Use to indicate the US Postal Service and not a private carrier.		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
	TD505	**387**	**Routing**	**X**	**AN 1/35**
			Free-form description of the routing or requested routing for shipment, or the originating carrier's identity		
Not Used	**TD506**	**368**	**Shipment/Order Status Code**	**X**	**ID 2/2**
			Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction		
Not Used	**TD507**	**309**	**Location Qualifier**	**O**	**ID 1/2**
			Code identifying type of location		
Not Used	**TD508**	**310**	**Location Identifier**	**X**	**AN 1/30**
			Code which identifies a specific location		
Not Used	**TD509**	**731**	**Transit Direction Code**	**O**	**ID 2/2**
			The point of origin and point of direction		
Not Used	**TD510**	**732**	**Transit Time Direction Qualifier**	**O**	**ID 2/2**
			Code specifying the value of time used to measure the transit time		
Not Used	**TD511**	**733**	**Transit Time**	**X**	**R 1/4**
			The numeric amount of transit time		
	TD512	**284**	**Service Level Code**	**X**	**ID 2/2**
			Code indicating the level of transportation service or the billing service offered by the transportation carrier		
			Use any code other than code ZZ.		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	**TD513**	**284**	**Service Level Code**	**X**	**ID 2/2**
			Code indicating the level of transportation service or the billing service offered by the transportation carrier		
Not Used	**TD514**	**284**	**Service Level Code**	**O**	**ID 2/2**
			Code indicating the level of transportation service or the billing service offered by the transportation carrier		
Not Used	**TD515**	**26**	**Country Code**	**O**	**ID 2/3**
			Code identifying the country		

Segment:	**TD4** Carrier Details (Special Handling, or Hazardous Materials, or Both)	
Position:	260	
Loop:		
Level:	Heading	
Usage:	Optional	
Max Use:	5	
Purpose:	To specify transportation special handling requirements, or hazardous materials information, or both	
Syntax Notes:	1	At least one of TD401 TD402 or TD404 is required.
	2	If TD402 is present, then TD403 is required.
Semantic Notes:	1	TD405 identifies if a Material Safety Data Sheet (MSDS) exists for this product. A "Y" indicates an MSDS exists for this product; an "N" indicates an MSDS does not exist for this product.
Comments:		
Notes:	*Use this segment to provide special handling or hazardous material information when it applies to all of the line items. If this information varies by line item, use the 2/TD4/270 segment.*	

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
TD401	**152**	**Special Handling Code**	**X ID 2/3**

Code specifying special transportation handling instructions

Any code, other than code ZZZ, may be used but the listed codes are preferred.

AMM   A.M. Delivery Requirement
DA   Dangerous
EP   Expedite
EX   Explosive Flammable Gas
FG   Flammable Gas
FL   Flammable
FP   Flammable Poison Gas
HM   Endorsed as Hazardous Material
LT   Less Than Full Carload
LTT   Less Than Truckload
NC   Notify Consignee Before Delivery
PG   Poisonous Gas
PMM   P.M. Delivery Requirement

Refer to 004010 Data Element Dictionary for acceptable code values.

TD402	**208**	**Hazardous Material Code Qualifier**	**X ID 1/1**

Code which qualifies the Hazardous Material Class Code (209)

Use any code.

Refer to 004010 Data Element Dictionary for acceptable code values.

TD403	**209**	**Hazardous Material Class Code**	**X AN 1/4**

Code specifying the kind of hazard for a material

| **Not Rec** | **TD404** | **352** | **Description** | | **X** | **AN 1/80** |

A free-form description to clarify the related data elements and their content

Use of free form text is discouraged if the information can be provided by some other means within the transaction set.

| **Not Used** | **TD405** | **1073** | **Yes/No Condition or Response Code** | | **O** | **ID 1/1** |

Code indicating a Yes or No condition or response

Segment:		**MAN** Marks and Numbers		

Position: 270
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To indicate identifying marks and numbers for shipping containers
Syntax Notes:　1　If either MAN04 or MAN05 is present, then the other is required.
　　　2　If MAN06 is present, then MAN05 is required.
Semantic Notes:　1　MAN01/MAN02 and MAN04/MAN05 may be used to identify two different marks and numbers assigned to the same physical container.
　　　2　When both MAN02 and MAN03 are used, MAN02 is the starting number of a sequential range and MAN03 is the ending number of that range.
　　　3　When both MAN05 and MAN06 are used, MAN05 is the starting number of a sequential range, and MAN06 is the ending number of that range.
Comments:　1　When MAN01 contains code "UC" (U.P.C. Shipping Container Code) and MAN05/MAN06 contain a range of ID numbers, MAN03 is not used. The reason for this is that the U.P.C. Shipping Container code is the same on every carton that is represented in the range in MAN05/MAN06.
　　　2　MAN03 and/or MAN06 are only used when sending a range(s) of ID numbers. When both MAN02/MAN03 and MAN05/MAN06 are used to send ranges of ID numbers, the integrity of the two ID numbers must be maintained.
Notes: *1. Use this segment when the marks and numbers apply to all of the line items. If the information varies by line item, use the 2/MAN/280 segment.*

2. Use to identify such data as MILSTRIP/DLMS/FEDSTRIP number, transportation control number, project priority number, and consignee related codes.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	MAN01	88	**Marks and Numbers Qualifier**	M ID 1/2
			Code specifying the application or source of Marks and Numbers (87)	
			S　　　Entire Shipment	
M	MAN02	87	**Marks and Numbers**	M AN 1/48
			Marks and numbers used to identify a shipment or parts of a shipment	
	MAN03	87	**Marks and Numbers**	O AN 1/48
			Marks and numbers used to identify a shipment or parts of a shipment	
	MAN04	88	**Marks and Numbers Qualifier**	X ID 1/2
			Code specifying the application or source of Marks and Numbers (87)	
			S　　　Entire Shipment	
	MAN05	87	**Marks and Numbers**	X AN 1/48
			Marks and numbers used to identify a shipment or parts of a shipment	
	MAN06	87	**Marks and Numbers**	O AN 1/48

Marks and numbers used to identify a shipment or parts of a shipment

Marks and numbers used to identify a shipment or parts of a shipment

Segment:	**RRA** Required Response	
Position:	280	
Loop:		
Level:	Heading	
Usage:	Optional	
Max Use:	100	
Purpose:	To indicate information that is required to be included in the response	
Syntax Notes:		
Semantic Notes:	**1** Use RRA02 only to specify applicable regulatory or contractual clause.	
Comments:		
Notes:	*Use this segment to indicate to prospective offerors that specific information must be provided with their proposal, e.g., a certification, a representation or other information, that applies to all of the line items. If the information varies by line item, use the 2/RRA/290 segment.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	RRA01	701	**Information Type**	M ID 2/2

Code specifying the information required in the response

14   As Indicated by the Cited Reference

Use to indicate the reference number that requires an offeror to provide a certification, representation or other information. This reference number will be a clause number or some unique reference number previously provided to offerors.

	Ref. Des.	Data Element	Name	Attributes
	RRA02	127	**Reference Identification**	O AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Segment:	**N9** Reference Identification	
Position:	290	
Loop:	N9 Optional	
Level:	Heading	
Usage:	Optional	
Max Use:	1	
Purpose:	To transmit identifying information as specified by the Reference Identification Qualifier	
Syntax Notes:	1 At least one of N902 or N903 is required.	
	2 If N906 is present, then N905 is required.	
	3 If either C04003 or C04004 is present, then the other is required.	
	4 If either C04005 or C04006 is present, then the other is required.	
Semantic Notes:	1 N906 reflects the time zone which the time reflects.	
	2 N907 contains data relating to the value cited in N902.	
Comments:		
Notes:	*1. Use this loop to identify various clauses (e.g., Federal Acquisition Regulation (FAR), Defense Federal Acquisition Regulation Supplement (DFARS), General Services Acquisition Regulation Supplement (GSARS), Department of Veterans Affairs Acquisition Regulation Supplement (VAARS) , Agency, or other clauses), Office of Management and Budget (OMB) Circular, special instructions or other references which are applicable to the entire solicitation. If the information varies by line item, use the 2/N9/320 loop.*	

2. When an Alternate section is applicable to a cited clause, the alpha/numeric Alternate identifier and the date MUST be cited in the following MSG segment.

3. When citing a clause in N902, the date of the clause MUST be cited in N904 and the title of the clause may optionally be cited in the following MSG segment.

4. When BQT01 in the 1/BQT/020 segment is code 05, one iteration of this segment is REQUIRED citing code K7 in N901, the literal, "Reason for Amendment" in N903, and the reason in the 1/MSG/300 segment.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	N901	128	**Reference Identification Qualifier**	M ID 2/3

Code qualifying the Reference Identification

5N	Citation of Statute	

Use to indicate the legislative authorization citation under which the resulting instrument, e.g., a grant, will be awarded. Optionally cite the legislative program title in N903.

73	Statement of Work (SOW)	

If a Statement of Work is part of the solicitation, the 1/PWK/210 segment can be optionally used to

identify how it is being provided.

ADA   Agency for International Development Acquisition Regulation (AIDAR)

Use in conjunction with N904 to indicate a clause from the cited regulation.

AU   Authorization to Meet Competition Number

Use to indicate the FAR part 6 authority for using other than full and open competition.

CJ   Clause Number

1. Use to indicate a purchasing activity clause (i.e., a clause not found in FAR, DFARS, etc.). Identify the purchasing activity issuing the clause in N903.

2. DO NOT use for a purchasing activity payment related clause. Use code H5 in that instance.

DF   Defense Federal Acquisition Regulations (DFAR)

1. Use in conjunction with N904 to indicate a clause from the cited regulation.

2. If the DFARS clause has a Modification, Variation or Deviation, identify that condition in N903 and provide the full clause text in the following MSG segment.

DHH   Department of Health and Human Services Acquisition Regulation (HHSAR)

Use in conjunction with N904 to indicate a clause from the cited regulation.

DOA   Department of Agriculture Acquisition Regulation (AGAR)

Use in conjunction with N904 to indicate a clause from the cited regulation.

DOC   Department of Commerce Acquisition Regulation (CAR)

Use in conjunction with N904 to indicate a clause from the cited regulation.

DOE   Department of Energy Acquisition Regulation (DEAR)

Use in conjunction with N904 to indicate a clause from the cited regulation.

DOI   Department of Interior Acquisition Regulation (DIAR)

Use in conjunction with N904 to indicate a clause from the cited regulation.

DOJ   Department of Justice Acquisition Regulation (JAR)

Use in conjunction with N904 to indicate a clause

		from the cited regulation.
	DOL	Department of Labor Acquisition Regulation (DOLAR)
		Use in conjunction with N904 to indicate a clause from the cited regulation.
	DOS	Department of State Acquisition Regulation (DOSAR)
		Use in conjunction with N904 to indicate a clause from the cited regulation.
	DOT	Department of Transportation Acquisition Regulation (TAR)
		Use in conjunction with N904 to indicate a clause from the cited regulation.
	DTS	Department of the Treasury Acquisition/Procurement Regulation (TAPR)
		Use in conjunction with N904 to indicate a clause from the cited regulation.
	DX	Department/Agency Number
		1. Use to indicate an Agency clause and identify the agency in N903.
		2. DO NOT use for an Agency payment related clause. Use code H5 in that instance.
	EC	Circular
		Use to indicate an Office of Management and Budget (OMB) circular number.
	EDA	Department of Education Acquisition Regulation (EDAR)
		Use in conjunction with N904 to indicate a clause from the cited regulation.
	EPA	Environmental Protection Agency Acquisition Regulation (EPAAR)
		Use in conjunction with N904 to indicate a clause from the cited regulation.
	FA	Federal Acquisition Regulations (FAR)
		1. Use in conjunction with N904 to indicate a clause from the cited regulation.
		2. If the FAR clause has a Modification, Variation or Deviation, identify that condition in N903 and provide the full clause text in the following MSG segment.
	GS	General Services Administration Regulations (GSAR)
		Use in conjunction with N904 to indicate a clause from the cited regulation.

	H5	Special Clause

1. Use this code only to indicate local, purchasing activity or agency payment related information.

2. DO NOT use for a FAR or DFARS payment related clause. Use either code FA or DF in that instance.

	HT	Code of Federal Regulations
	HUD	Department of Housing and Urban Development Acquisition Regulation (HUDAR)

Use in conjunction with N904 to indicate a clause from the cited regulation.

	K7	Paragraph Number

1. Use in conjunction with the 1/MSG/300 segment, to indicate information for an offeror. Cite an applicable number in N902 and provide the information in the 1/MSG/300 segment. The numbering system can be based on the uniform contract format, e.g., H-1 for special requirements or any other numbering system the originator desires.

2. DO NOT use for payment related information. Use code H5 for that purpose.

	KD	Special Instructions Number

1. Use to indicate a special instruction. Use in conjunction with N903 to identify the agency, command or purchasing activity issuing the special instruction. If this special instruction number is not included in previously provided terms and conditions, provide the full text in the following MSG segment.

2. DO NOT use for payment related information. Use code H5 for that purpose.

	KT	Request for Quotation Reference

1. Use to indicate another type of reference number applicable to the solicitation. This number is not the solicitation number (which is carried in BQT02). This code can be used as a means to provide clear text information, i.e., Notice to Bidders, in the following MSG segment. Another example of the use of this code can be to provide the reason for the cancellation of the solicitation.

2. DO NOT use for payment related information. Use code H5 for that purpose.

KY   Site Specific Procedures, Terms, and Conditions

DO NOT use for payment related information. Use code H5 for that purpose.

KZ   Master Solicitation Procedures, Terms, and Conditions

1. Use to indicate the Master Solicitation number that contains terms and conditions applicable to this solicitation.

2. DO NOT use for payment related information. Use code H5 for that purpose.

NAS   National Aeronautics and Space Administration FAR Supplement (NFS)

Use in conjunction with N904 to indicate a clause from the cited regulation.

VB   Department of Veterans Affairs Acquisition Regulations (VAAR)

Use in conjunction with N904 to indicate a clause from the cited regulation.

XY   Other Unlisted Type of Reference Number

Use in conjunction with N903 and optionally with the 1/MSG/300 segment to indicate any other reference that cannot use a specific qualifier code.

N902   **127**   **Reference Identification**   **X   AN 1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

N903   **369**   **Free-form Description**   **X   AN 1/45**

Free-form descriptive text

1. When N901 is code CJ, DX, or KD, use to identify the agency or purchasing activity issuing the clause or special instruction cited in N902.

2. When N901 is code XY, use to identify the source of the reference and use the following MSG segment for text, if necessary.

3. When N901 is code DF or FA and the clause has a Modification, Variation, or Deviation, identify that condition by citing "VAR" for Modification and Variations, and "DEV" for Deviation.

4. Use also to carry additional information related to the reference cited in N902.

5. Use of free-form text is discouraged if the information can be provided by some other means within the transaction set.

	N904	**373**	**Date**		**O**	**DT 8/8**

Date expressed as CCYYMMDD

Use to identify the date of the clause cited in N902. The DD (day) portion of the date is always 01.

Not Used	**N905**	**337**	**Time**		**X**	**TM 4/8**

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Not Used	**N906**	**623**	**Time Code**		**O**	**ID 2/2**

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

	N907	**C040**	**Reference Identifier**		**O**	

To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier

When N901 cites a code that specifies a clause or instruction which applies to one or more line items, use this composite data element to:
a. Identify the line item(s) to which the clause or instruction applies, or
b. Identify the line item(s) to which the clause or instruction does not apply.

M	**C04001**	**128**	**Reference Identification Qualifier**		**M**	**ID 2/3**

Code qualifying the Reference Identification

C7   Contract Line Item Number

Use to indicate a CLIN to which the clause or instruction cited in N902 applies.

FJ   Line Item Control Number

Use to indicate a CLIN to which the clause or instruction cited in N902 DOES NOT apply.

M	**C04002**	**127**	**Reference Identification**		**M**	**AN 1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

	C04003	**128**	**Reference Identification Qualifier**		**X**	**ID 2/3**

Code qualifying the Reference Identification

C7   Contract Line Item Number

Use to indicate a CLIN to which the clause or instruction cited in N902 applies.

FJ   Line Item Control Number

Use to indicate a CLIN to which the clause or instruction cited in N902 DOES NOT apply.

| **C04004** | **127** | **Reference Identification** | **X** | **AN 1/30** |

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

| **C04005** | **128** | **Reference Identification Qualifier** | **X** | **ID 2/3** |

Code qualifying the Reference Identification

C7   Contract Line Item Number

Use to indicate a CLIN to which the clause or instruction cited in N902 applies.

FJ   Line Item Control Number

Use to indicate a CLIN to which the clause or instruction cited in N902 DOES NOT apply.

| **C04006** | **127** | **Reference Identification** | **X** | **AN 1/30** |

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Segment:	**MSG** Message Text
Position:	300
Loop:	N9 Optional
Level:	Heading
Usage:	Optional
Max Use:	1000
Purpose:	To provide a free-form format that allows the transmission of text information
Syntax Notes:	1 If MSG03 is present, then MSG02 is required.
Semantic Notes:	1 MSG03 is the number of lines to advance before printing.
Comments:	1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
	2 If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.

Notes:

1. Use this segment to carry the title or full text of any clause, a special instruction, or other information associated with the number cited in N902.

2. This segment is also used to carry clause fill-in information that is not provided elsewhere within the transaction set. Use of clause titles when providing fill-in information is recommended.

3. When providing fill-in information, the following format is recommended:

*   a) In the first iteration of the segment, cite the clause title, and the clause Alternate identifier with date, if applicable, followed by a pipe sign to indicate the end of the title information, then cite the number of fill-ins followed by a second pipe sign to indicate the end of the title segment.*

*   b) For each fill-in, begin a new MSG segment using the sequence in which the fill-ins appear within the clause. These MSG segments may each begin with a number indicating the fill-in's sequence position. End each fill-in with a pipe sign. If multiple iterations of MSG are required for a long fill-in, end only the last MSG segment of that fill-in with the pipe sign.*

4. The purpose of the pipe sign "|" is to provide an indication to receiving applications that the data string related to a single entry has been completed.

*   An example of a clause with 3 fill-ins follows:*

*   MSG*Commencement, Prosecution, and Completion of Work Alternate I|3|*
*   MSG*1. 30|*
*   MSG*2. 30 Sep 1995|*
*   MSG*3. 15 Jan 1995|*

5. An example alternative format provides all fill-in information within the title MSG segment as follows:

*   MSG*Commencement, Prosecution, and Completion of Work Alternate*

840 (R1)

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	MSG01	933	**Free-Form Message Text**	M AN 1/264
			Free-form message text	
Not Used	MSG02	934	**Printer Carriage Control Code**	X ID 2/2
			A field to be used for the control of the line feed of the receiving printer	
Not Used	MSG03	1470	**Number**	O N0 1/9
			A generic number	

Segment:	**N1** Name		
Position:	310		
Loop:	N1 Optional (Must Use)		
Level:	Heading		
Usage:	Optional (Must Use)		
Max Use:	1		
Purpose:	To identify a party by type of organization, name, and code		

Syntax Notes:
1. At least one of N102 or N103 is required.
2. If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments:
1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

Notes: *1. Use this loop to identify organizations or locations that apply to all the line items. If the information varies by line item, use the 2/N1/340 loop.*

2. Whenever possible, identification and address information should be provided using N101, N103, and N104. Use N102 and segments N2 through N4, as applicable, when the address cannot be provided using one of the codes listed in N103.

3. There must be at least 1 iteration of this N1 segment using code BY in N101.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	N101	98	**Entity Identifier Code**	**M ID 2/3**

Code identifying an organizational entity, a physical location, property or an individual

    31   Postal Mailing Address

         Use only when an actual mailing address is required and it is different from the address provided for any other qualifier code. Do not use if another code can be used to pass this address. When used, cite the name of the party in N102 and the N2 segment, if necessary.

    7D   Contracting Officer Representative

    7G   Hazardous Material Office

         Use to indicate the installation Hazardous Material or Safety Office serving the ship-to location.

    7M   Inspection and Acceptance Location

         Use to indicate the inspection and acceptance point when both are at the same location but the location is neither at origin nor at destination.

7N	Party to Receive Proposal	
BY	Buying Party (Purchaser)	
	Use to indicate the soliciting activity.	
CY	Country	
	Use in conjunction with the 1/REF/050 segment, REF01 code 2E, and N103 code 38, to indicate the country to which a Foreign Military Sale applies.	
DZ	Delivery Zone	
	Use in conjunction with N103 code ZN, to indicate an area to which deliveries are expected to be made under a requirements or an indefinite delivery type award instrument.	
EL	Established Location	
	Use to indicate the location where existing site conditions or existing equipment conditions can be inspected by the offeror prior to submission of an offer for services or an offer for purchase of disposal property.	
HMI	Material Safety Data Sheet (MSDS) Recipient	
	Use to indicate the Agency's Hazardous Material Information System (HMIS) central focal point to whom Material Safety Data Sheets are to be sent.	
IF	International Freight Forwarder	
	Use in conjunction with the 1/FOB/080 segment, FOB02 code IT.	
IS	Party to Receive Certified Inspection Report	
KG	Project Manager	
	Use to indicate the Government organization responsible for a project to include the advisor under a Grant.	
KW	Bid Opening Location	
	Use in conjunction with the 1/DTM/150 segment, DTM01 code 099, to indicate the location of a bid opening, if the address is different than the address of the soliciting activity.	
KX	Free on Board Point	
	Use to indicate the FOB point when it has to be described by a specific address rather than as a code value indicating either origin or destination. Applicable when FOB02 is code KE, KL or ZZ.	
KY	Technical Office	
	Use to indicate the technical office that has cognizance over the technical portion of the order,	

		if different than the office originating the order. Do not use unless it is intended for the contractor to deal directly with the cited party.
	KZ	Acceptance Location
		Use when the acceptance point is other than at origin or destination.
	L1	Inspection Location
		Use to indicate the inspection location when it has to be described as an address which is neither origin or destination.
	MU	Meeting Location
		1. Use in conjunction with the 1/BQT/020, BQT01 code 24, and the 1/DTM/150 segment, DTM01 code 644, to indicate the location of a pre -solicitation conference if the address is different than the address of the soliciting activity.
		2. Use in conjunction with the 1/BQT/020 segment, BQT01 code 00, 05, 07, or 18, and the 1/DTM/150 segment, DTM01 code 644, to indicate the location of a pre-proposal conference if the address is different than the address of the soliciting activity.
	PO	Party to Receive Invoice for Goods or Services
		Use to indicate where invoice should be sent
	PR	Payer
	PW	Pick Up Address
		Use to indicate the location where government property is to be picked up for repair or other disposition.
	R6	Requester
		Use to indicate the requesting agency/activity.
	ST	Ship To
		If the address is an FPO or APO, cite code ST in N101, cite FPO or APO in N102 and in N401, cite the two letter identifier (AA for Miami, AE for New York, AP for San Francisco) in N402, and cite the zip code in N403.
	SV	Service Performance Site
		Use to indicate the location where a service, e.g., grass cutting, is to be performed or where service for a product can be obtained.
	TQ	Third Party Reviewing Organization (TPO)

			Use to indicate the office for receipt of foreign disclosure sensitive information per DoD Directive 5230.25.		
		TS	Party to Receive Certified Test Results		
			When CSH01 is Code QP, use to indicate the party to whom an offeror should submit the certified test results which demonstrate that he or his quoted product meets the established standards for qualification.		
		X2	Party to Perform Packaging		
		XP	Party to Receive Solicitation		
		Z7	Mark-for Party		
		ZD	Party to Receive Reports		
Not Rec	**N102**	**93**	**Name**	**X**	**AN 1/60**
			Free-form name		
Rec	**N103**	**66**	**Identification Code Qualifier**	**X**	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)		
		1	D-U-N-S Number, Dun & Bradstreet		
			Use of the DUNS or DUNS+4 number is preferred over other codes to identify an entity.		
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
			Use of the DUNS or DUNS+4 number is preferred over other codes to identify an entity.		
		10	Department of Defense Activity Address Code (DODAAC)		
			Use to indicate either a Department of Defense or Civilian Agency Activity Address Code.		
		16	ZIP Code		
			When N101 is Code ST, use to indicate a general shipping area for quoting purposes.		
		33	Commercial and Government Entity (CAGE)		
		38	Country Code		
			Use in conjunction with N101 code CY.		
		A2	Military Assistance Program Address Code (MAPAC)		
		ZN	Zone		
			Use in conjunction with N101 code DZ, to indicate a delivery zone.		
Rec	**N104**	**67**	**Identification Code**	**X**	**AN 2/80**
			Code identifying a party or other code		
			1. When N103 is code 38, cite the 2 position ISO 3166 country code.		

2. When N103 is code ZN, identify the delivery zone by one of the following means:

a. Cite a delivery zone designation, e.g., 01, 10, 1A, etc., and in conjunction with the 1/N4/340 segment, identify the geographic locations that comprise the delivery zone.

b. Cite the word "CONUS" to specify all points within the continental United States that are not otherwise identified within a zone.

c. Cite the word "WORLD" to specify all points outside the continental United States that are not otherwise identified within a zone.

Not Used	N105	706	**Entity Relationship Code**	**O**	**ID 2/2**

Code describing entity relationship

Not Used	N106	98	**Entity Identifier Code**	**O**	**ID 2/3**

Code identifying an organizational entity, a physical location, property or an individual

	Segment:	**N2** Additional Name Information
	Position:	320
	Loop:	N1 Optional (Must Use)
	Level:	Heading
	Usage:	Optional
	Max Use:	2
	Purpose:	To specify additional names or those longer than 35 characters in length
	Syntax Notes:	
	Semantic Notes:	
	Comments:	
	Notes:	*This segment is not necessary when the entity cited in N101 is described by a code in N103/N104.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	N201	93	**Name**	M AN 1/60
			Free-form name	
	N202	93	**Name**	O AN 1/60
			Free-form name	

	Segment:	**N3** Address Information
	Position:	330
	Loop:	N1 Optional (Must Use)
	Level:	Heading
	Usage:	Optional
	Max Use:	2
	Purpose:	To specify the location of the named party
	Syntax Notes:	
	Semantic Notes:	
	Comments:	
	Notes:	*This segment is not necessary when the entity cited in N101 is described by a code in N103/N104.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	N301	166	**Address Information**	M AN 1/55
			Address information	
	N302	166	**Address Information**	O AN 1/55
			Address information	

Segment:	**N4** Geographic Location			
Position:	340			
Loop:	N1 Optional (Must Use)			
Level:	Heading			
Usage:	Optional			
Max Use:	>1			
Purpose:	To specify the geographic place of the named party			
Syntax Notes:	1 If N406 is present, then N405 is required.			
Semantic Notes:				
Comments:	1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.			
	2 N402 is required only if city name (N401) is in the U.S. or Canada.			
Notes:	*1. This segment is not necessary when the entity cited in N101 is described by a code in N103/N104.*			
	2. When N101 is code DZ and N104 does not cite the words "CONUS" or "WORLD", this segment may be used to identify locations within a delivery zone and the FOB point if it varies by delivery zone or locations within a delivery zone.			

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
N401	19	City Name	O	AN 2/30

Free-form text for city name

When the address is a military overseas post office, cite APO or FPO as appropriate to identify an Army Post Office (APO) or Fleet Post Office (FPO).

N402	156	State or Province Code	O	ID 2/2

Code (Standard State/Province) as defined by appropriate government agency

Use codes AA (Armed Forces Americas), AE (Armed Forces Europe), or AP (Armed Forces Pacific) as appropriate for the military overseas post office.

N403	116	Postal Code	O	ID 3/15

Code defining international postal zone code excluding punctuation and blanks (zip code for United States)

N404	26	Country Code	O	ID 2/3

Code identifying the country

Cite the two position ISO 3166 country code.

N405	309	Location Qualifier	X	ID 1/2

Code identifying type of location

When the 1/FOB/080 segment is not used to identify the FOB point, use in conjunction with the 1/N1/310 segment, N101 code DZ, to specify the FOB point for a delivery zone or for a location within a zone.

		DE	Destination (Shipping)		
		OA	Origin (After Loading on Equipment)		

Use to indicate FOB Origin with transportation charges prepaid by the seller and added as a separate item to the invoice.

| | | OR | Origin (Shipping Point) | | |

Use to indicate FOB Origin with transportation charges paid by a Government Bill of Lading (GBL).

| | | TM | Terminal | | |

Use in conjunction with N406 to indicate that the FOB point for delivery outside the continental United States is located at a transportation terminal and not at origin or destination. FAR clauses 52.247-38, 52.247-39, or a similar FAR clause may apply.

N406   310   Location Identifier   O   AN 1/30

Code which identifies a specific location

Use in conjunction with N405 code TM, to identify the location of the FOB point. Cite the 5 position United Nations code for ports and other locations (UN/LOCODE) in accordance with the United Nations Location Code Manual.

Segment:	**PER** Administrative Communications Contact		
Position:	360		
Loop:	N1 Optional (Must Use)		
Level:	Heading		
Usage:	Optional		
Max Use:	>1		
Purpose:	To identify a person or office to whom administrative communications should be directed		
Syntax Notes:	1 If either PER03 or PER04 is present, then the other is required.		
	2 If either PER05 or PER06 is present, then the other is required.		
	3 If either PER07 or PER08 is present, then the other is required.		
Semantic Notes:			
Comments:			
Notes:	*Use this segment to provide communications contacts associated with the entities cited in the same N1 loop.*		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	PER01	366	**Contact Function Code**	M ID 2/2

Code identifying the major duty or responsibility of the person or group named

Use to identify the various individuals who can be contacted regarding specific areas of this solicitation.

AT	Material Safety Data Sheet Contact	

Use in conjunction with the 1/N1/310 segment, N101 code BY or HMI.

AV	Advisor	

Use in conjunction with the 1/N1/310 segment, N101 code KG, to indicate the government party who will work with the eventual contractor on basic R&D efforts in a particular science area.

BD	Buyer Name or Department	

1. Includes Grant Management Specialists.

2. Use in conjunction with the 1/N1/310 segment, N101 code BY.

CD	Contract Contact	

Use in conjunction with the 1/N1/310 segment, N101 code 7D, to indicate a Contracting Officer's Representative.

HM	Hazardous Material Contact	

Use in conjunction with the 1/N1/310 segment, N101 code 7G.

			IC	Information Contact		

When no other qualifier code is applicable, use to indicate a general information point of contact at the location cited in N101.

			PC	Purchasing Contracting Officer (PCO)		

1. Includes Grants/Contract Project Officer.

2. Use in conjunction with the 1/N1/310 segment, N101 code BY.

			PP	Program Manager		

1. Includes Grants Project Officer.

2. Use in conjunction with the 1/N1/310 segment, N101 code KG.

PER02	**93**	**Name**		**O**	**AN 1/60**

Free-form name

Use to identify the name of a point of contact. Last name, followed by first name, is preferred. If the whole name is longer than 35 characters, the use of initials for the first name is recommended. PER09 may be used to cite the party's title or office symbol.

PER03	**365**	**Communication Number Qualifier**		**X**	**ID 2/2**

Code identifying the type of communication number

		AU	Defense Switched Network
		EM	Electronic Mail
		FX	Facsimile
		IT	International Telephone

Include the country code.

		TE	Telephone

Use to indicate the commercial telephone number of the individual cited in PER02. Include the area code.

PER04	**364**	**Communication Number**		**X**	**AN 1/80**

Complete communications number including country or area code when applicable

All numbers, other than those associated with code EM, shall be transmitted as a continuous number with no extraneous characters. If an extension applies to the telephone number, concatenate the letter X plus the extension at the end of the number, e.g., 17035551212X123.

PER05	**365**	**Communication Number Qualifier**		**X**	**ID 2/2**

Code identifying the type of communication number

		AU	Defense Switched Network
		EM	Electronic Mail
		FX	Facsimile

	IT	International Telephone	
		Include the country code.	
	TE	Telephone	
		Use to indicate the commercial telephone number of the individual cited in PER02. Include the area code.	

PER06   **364**   **Communication Number**   **X**   **AN 1/80**

Complete communications number including country or area code when applicable

All numbers, other than those associated with code EM, shall be transmitted as a continuous number with no extraneous characters. If an extension applies to the telephone number, concatenate the letter X plus the extension at the end of the number, e.g., 17035551212X123.

PER07   **365**   **Communication Number Qualifier**   **X**   **ID 2/2**

Code identifying the type of communication number

	AU	Defense Switched Network
	EM	Electronic Mail
	FX	Facsimile
	IT	International Telephone
		Include the country code.
	TE	Telephone
		Use to indicate the commercial telephone number of the individual cited in PER02. Include the area code.

PER08   **364**   **Communication Number**   **X**   **AN 1/80**

Complete communications number including country or area code when applicable

All numbers, other than those associated with code EM, shall be transmitted as a continuous number with no extraneous characters. If an extension applies to the telephone number, concatenate the letter X plus the extension at the end of the number, e.g., 17035551212X123.

PER09   **443**   **Contact Inquiry Reference**   **O**   **AN 1/20**

Additional reference number or description to clarify a contact number

Use, if necessary, to provide an office symbol or the title of the party cited in PER02.

	Segment:	**SPI** Specification Identifier
	Position:	440
	Loop:	SPI Optional
	Level:	Heading
	Usage:	Optional
	Max Use:	1
	Purpose:	To provide a description of the included specification or technical data items
	Syntax Notes:	1 If either SPI02 or SPI03 is present, then the other is required.
	Semantic Notes:	
	Comments:	

This loop is used to carry the security information which is normally provided in the Department of Defense Contract Security Classification Specification (DD Form 254). Information regarding the contractor, subcontractor, place of performance and cognizant security offices may not be available until after an award determination and may have to be provided in the eventual award instrument. The prospective offerors may be required to provide this information as part of their proposal.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	SPI01	786	Security Level Code	M ID 2/2

Code indicating the level of confidentiality assigned by the sender to the information following

Use to specify the highest level of safeguarding required for the data associated with the eventual award instrument.

90	Government Non-Classified
92	Government Confidential
93	Government Secret
94	Government Top Secret

	SPI02	128	Reference Identification Qualifier	X ID 2/3

Code qualifying the Reference Identification

Use to identify a solicitation number if applicable to a Contract Security Classification Specification. If a solicitation number is not applicable, use to identify either an award instrument number or subcontract number as appropriate. If more than one number applies, provide the other number(s) in the 1/REF/450 segment within this loop.

3X	Subcontract Number
CT	Contract Number
KS	Solicitation

Use in conjunction with the 1/DTM/460 segment, DTM01 code 106.

	SPI03	127	Reference Identification	X AN 1/30

Reference information as defined for a particular Transaction Set or as

specified by the Reference Identification Qualifier

Not Used	SPI04	790	**Entity Title**		**O**	**AN 1/132**

Title of the data entity

Not Used	SPI05	791	**Entity Purpose**		**O**	**AN 1/80**

The reason for the existence of the data item specified by the electronic data item independent of its presence in an EDI transaction

Not Used	SPI06	792	**Entity Status Code**		**O**	**ID 1/1**

Code indicating the current status of the data item specified by the electronic data item

	SPI07	353	**Transaction Set Purpose Code**		**O**	**ID 2/2**

Code identifying purpose of transaction set

Use to identify the type of Contract Security Classification Specification being issued.

> 00   Original
>
> *Use in conjunction with the 1/DTM/460 segment, DTM01 code 703 to indicate an original DD Form 254.*
>
> 04   Change
>
> *Use in conjunction with the 1/REF/450 segment, REF01 code YB and the 1/DTM/460 segment, DTM01 code 171, to indicate a revised Contract Security Classification Specification.*
>
> 20   Final Transmission
>
> *Use in conjunction with 1/DTM/460, DTM01 code 165 and the 1/CB1/560, CB101 code 70, to indicate a final Contract Security Classification Specification.*

	SPI08	755	**Report Type Code**		**O**	**ID 2/2**

Code indicating the title or contents of a document, report or supporting item

> SF   Contract Security Classification Specification

	SPI09	786	**Security Level Code**		**O**	**ID 2/2**

Code indicating the level of confidentiality assigned by the sender to the information following

Use to identify the facility clearance level required to perform the eventual award instrument.

> 92   Government Confidential
> 93   Government Secret
> 94   Government Top Secret

Not Used	SPI10	559	**Agency Qualifier Code**		**O**	**ID 2/2**

Code identifying the agency assigning the code values

Not Used	SPI11	822	**Source Subqualifier**		**O**	**AN 1/15**

A reference that indicates the table or text maintained by the Source Qualifier

Not Used	SPI12	554	**Assigned Number**	O	N0 1/6

Number assigned for differentiation within a transaction set

Not Used	SPI13	1322	**Certification Type Code**	O	ID 1/1

Code indicating the type of certification

Not Used	SPI14	1401	**Proposal Data Detail Identifier Code**	O	ID 1/3

Code identifying the basis of a cited value in a proposal

Not Used	SPI15	1005	**Hierarchical Structure Code**	O	ID 4/4

Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set

| | | | Segment: | **REF** Reference Identification |

	Segment:	**REF** Reference Identification
	Position:	450
	Loop:	SPI Optional
	Level:	Heading
	Usage:	Optional
	Max Use:	5
	Purpose:	To specify identifying information
	Syntax Notes:	**1** At least one of REF02 or REF03 is required.
		2 If either C04003 or C04004 is present, then the other is required.
		3 If either C04005 or C04006 is present, then the other is required.
	Semantic Notes:	**1** REF04 contains data relating to the value cited in REF02.
	Comments:	
	Notes:	*Use to identify reference numbers applicable to the Contract Security Classification Specification.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	REF01	128	**Reference Identification Qualifier**	M ID 2/3
			Code qualifying the Reference Identification	
			3X Subcontract Number	
			CT Contract Number	
			YB Revision Number	
			Use in conjunction with the 1/SPI/440 segment, SPI07 code 04, to indicate the revision number of the Contract Security Classification Specification.	
	REF02	127	**Reference Identification**	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
Not Used	REF03	352	**Description**	X AN 1/80
			A free-form description to clarify the related data elements and their content	
Not Used	REF04	C040	**Reference Identifier**	O
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	
Not Used	C04001	128	**Reference Identification Qualifier**	M ID 2/3
			Code qualifying the Reference Identification	
Not Used	C04002	127	**Reference Identification**	M AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
Not Used	C04003	128	**Reference Identification Qualifier**	X ID 2/3
			Code qualifying the Reference Identification	
Not Used	C04004	127	**Reference Identification**	X AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

| Not Used | C04005 | 128 | **Reference Identification Qualifier** | X | ID 2/3 |

Code qualifying the Reference Identification

| Not Used | C04006 | 127 | **Reference Identification** | X | AN 1/30 |

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Segment:	**DTM** Date/Time Reference			
Position:	460			
Loop:	SPI Optional			
Level:	Heading			
Usage:	Optional			
Max Use:	5			
Purpose:	To specify pertinent dates and times			
Syntax Notes:	1 At least one of DTM02 DTM03 or DTM05 is required.			
	2 If DTM04 is present, then DTM03 is required.			
	3 If either DTM05 or DTM06 is present, then the other is required.			
Semantic Notes:				
Comments:				
Notes:	*Use to indicate dates applicable to the Contract Security Classification Specification.*			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	DTM01	374	**Date/Time Qualifier**	M ID 3/3

Code specifying type of date or time, or both date and time

036	Expiration	
	Use in conjunction with the 1/REF/450 segment, REF01 code CT, to indicate the expiration date of the Contract.	
106	Required By	
	Use in conjunction with the 1/SPI/440 segment, SPI02 code KS, to indicate the due date of the response to the solicitation.	
165	Final Issue	
	Use in conjunction with the 1/SPI/440 segment, SPI07 code 20, to indicate the date of the final Contract Security Classification Specification.	
171	Revision	
	Use in conjunction with the 1/SPI/440 segment, SPI07 code 04, to indicate the date of the revised Contract Security Classification Specification.	
334	Re-evaluation Date	
	Use to indicate the biennial review date of the Contract Security Classification Specification.	
703	Retransmission Time Stamp	
	Use in conjunction with the 1/SPI/440 segment, SPI07 code 00, to indicate the date of the original Contract Security Classification Specification.	

	DTM02	373	**Date**	X DT 8/8

Date expressed as CCYYMMDD

| Not Used | DTM03 | 337 | **Time** | **X** | **TM 4/8** |

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

| Not Used | DTM04 | 623 | **Time Code** | **O** | **ID 2/2** |

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

| Not Used | DTM05 | 1250 | **Date Time Period Format Qualifier** | **X** | **ID 2/3** |

Code indicating the date format, time format, or date and time format

| Not Used | DTM06 | 1251 | **Date Time Period** | **X** | **AN 1/35** |

Expression of a date, a time, or range of dates, times or dates and times

Segment:	**MSG** Message Text	
Position:	470	
Loop:	SPI Optional	
Level:	Heading	
Usage:	Optional	
Max Use:	50	
Purpose:	To provide a free-form format that allows the transmission of text information	
Syntax Notes:	1	If MSG03 is present, then MSG02 is required.
Semantic Notes:	1	MSG03 is the number of lines to advance before printing.
Comments:	1	MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
	2	If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.
Notes:	*1. Use to provide information applicable to the Contract Security Classification Specification, e.g., a general identification of the procurement or security guidance in clear text.*	
	2. Use of free form text is discouraged if the information can be provided by means of codes or data values within the transaction set.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	MSG01	933	**Free-Form Message Text**	M	AN 1/264
			Free-form message text		
Not Used	MSG02	934	**Printer Carriage Control Code**	X	ID 2/2
			A field to be used for the control of the line feed of the receiving printer		
Not Used	MSG03	1470	**Number**	O	N0 1/9
			A generic number		

Segment:	**N1** Name		
Position:	490		
Loop:	N1	Optional	
Level:	Heading		
Usage:	Optional		
Max Use:	1		
Purpose:	To identify a party by type of organization, name, and code		
Syntax Notes:	1	At least one of N102 or N103 is required.	
	2	If either N103 or N104 is present, then the other is required.	
Semantic Notes:			
Comments:	1	This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.	
	2	N105 and N106 further define the type of entity in N101.	

Notes: *1. Use this loop to identify organizations or locations that apply to a Contract Security Classification Specification (DD Form 254). Persons affiliated with organizations may be identified in the 1/G61/540 segment.*

2. Use of N101, N103, and N104 is REQUIRED to identify organizations or locations. Names and addresses, in text, may be additionally provided using segments N2 through N4. Use of text is discouraged.

3. If the address is an FPO or APO, use the appropriate code in N101, cite FPO or APO in N102 and in N401, cite the two letter identifier (AA for Miami, AE for New York, AP for San Francisco) in N402, and cite the zip code in N403.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	N101	98	**Entity Identifier Code**	M ID 2/3

Code identifying an organizational entity, a physical location, property or an individual

28	Subcontractor

Use in conjunction with N101 code K2.

61	Performed At

Use in conjunction with N101 code K3, to indicate the place of performance.

B2	Other Unlisted Type of Organizational Entity

Use to indicate an unlisted entity to whom distribution of the Contract Security Classification Specification is to be made.

C4	Contract Administration Office
K1	Contractor Cognizant Security Office

Use in conjunction with N101 code PG.

			K2	Subcontractor Cognizant Security Office		
				Use in conjunction with N101 code 28.		
			K3	Place of Performance Cognizant Security Office		
				Use in conjunction with N101 code 61.		
			K4	Party Authorizing Release of Security Information		
			K5	Party To Receive Contract Security Classification Specification		
			KG	Project Manager		
				Use to indicate the party responsible for a project to include the advisor under a Grant.		
			KI	United States Overseas Security Administration Office		
			OI	Outside Inspection Agency		
				Use to indicate another entity that has inspection responsibilities.		
			PG	Prime Contractor		
				Use in conjunction with N101 code K1		
			PV	Party performing certification		
Not Rec	**N102**	**93**	**Name**		**X**	**AN 1/60**
			Free-form name			
	N103	**66**	**Identification Code Qualifier**		**X**	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)			
			1	D-U-N-S Number, Dun & Bradstreet		
				Use of the DUNS or DUNS+4 number is preferred over other codes to identify an entity.		
			9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
				Use of the DUNS or DUNS+4 number is preferred over other codes to identify an entity.		
			10	Department of Defense Activity Address Code (DODAAC)		
				Use to indicate either a Department of Defense or Civilian Agency Activity Address Code.		
			33	Commercial and Government Entity (CAGE)		
	N104	**67**	**Identification Code**		**X**	**AN 2/80**
			Code identifying a party or other code			
Not Used	**N105**	**706**	**Entity Relationship Code**		**O**	**ID 2/2**
			Code describing entity relationship			
Not Used	**N106**	**98**	**Entity Identifier Code**		**O**	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual			

Segment:		**N2** Additional Name Information		
Position:	500			
Loop:	N1	Optional		
Level:	Heading			
Usage:	Optional			
Max Use:	2			
Purpose:	To specify additional names or those longer than 35 characters in length			
Syntax Notes:				
Semantic Notes:				
Comments:				
Notes:	*This segment is not necessary when the entity cited in N101 is described by a code in N103/N104.*			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	N201	93	**Name**	M AN 1/60
			Free-form name	
	N202	93	**Name**	O AN 1/60
			Free-form name	

	Segment:	**N3** Address Information
	Position:	510
	Loop:	N1 Optional
	Level:	Heading
	Usage:	Optional
	Max Use:	2
	Purpose:	To specify the location of the named party
	Syntax Notes:	
	Semantic Notes:	
	Comments:	
	Notes:	*This segment is not necessary when the entity cited in N101 is described by a code in N103/N104.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N301**	**166**	**Address Information**	**M AN 1/55**
			Address information	
	N302	**166**	**Address Information**	**O AN 1/55**
			Address information	

	N4 Geographic Location
Segment:	
Position:	520
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To specify the geographic place of the named party
Syntax Notes:	1 If N406 is present, then N405 is required.
Semantic Notes:	
Comments:	1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
	2 N402 is required only if city name (N401) is in the U.S. or Canada.
Notes:	*This segment is not necessary when the entity cited in N101 is described by a code in N103/N104.*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
N401	**19**	**City Name**	**O AN 2/30**
		Free-form text for city name	
		When the address is a military overseas post office, cite APO or FPO as appropriate to identify an Army Post Office (APO) or Fleet Post Office (FPO).	
N402	**156**	**State or Province Code**	**O ID 2/2**
		Code (Standard State/Province) as defined by appropriate government agency	
		Use codes AA (Armed Forces Americas), AE (Armed Forces Europe), or AP (Armed Forces Pacific) as appropriate for the military overseas post office.	
N403	**116**	**Postal Code**	**O ID 3/15**
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
N404	**26**	**Country Code**	**O ID 2/3**
		Code identifying the country	
		Cite the two position ISO 3166 country code.	
Not Used	**N405**	**309**	**Location Qualifier**	**X ID 1/2**
		Code identifying type of location	
Not Used	**N406**	**310**	**Location Identifier**	**O AN 1/30**
		Code which identifies a specific location	

Segment:	**G61** Contact			
Position:	540			
Loop:	N1 Optional			
Level:	Heading			
Usage:	Optional			
Max Use:	1			
Purpose:	To identify a person or office to whom communications should be directed			
Syntax Notes:	1 If either G6103 or G6104 is present, then the other is required.			
Semantic Notes:				
Comments:	1 G6103 qualifies G6104.			
Notes:	*Use this segment to provide names associated with addresses cited in the N1 segment.*			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	G6101	366	**Contact Function Code**	M ID 2/2

Code identifying the major duty or responsibility of the person or group named

CE	Certifier

Use in conjunction with the 1/N1/490 segment, N101 code PV.

IC	Information Contact

Use in conjunction with the 1/N1/490 segment, N101 code KG, to indicate a single point of contact for classification guidance or interpretation.

PP	Program Manager

Use in conjunction with the 1/N1/490 segment, N101 code KG.

M	G6102	93	**Name**	M AN 1/60

Free-form name

Use to identify the name of a point of contact. Last name, followed by first name, is preferred. If the whole name is longer than 35 characters, the use of initials for the first name is recommended. G6105 may be used to cite the party's title or office symbol.

	G6103	365	**Communication Number Qualifier**	X ID 2/2

Code identifying the type of communication number

AU	Defense Switched Network
EM	Electronic Mail
FX	Facsimile
IT	International Telephone
TE	Telephone

	G6104	364	**Communication Number**	X AN 1/80

Complete communications number including country or area code when applicable

All numbers, other than those associated with code EM, shall be transmitted as a continuous number with no extraneous characters. If an extension applies to the telephone number, concatenate the letter X plus the extension at the end of the number, e.g., 17035551212X123.

G6105   **443**   **Contact Inquiry Reference**   **O   AN 1/20**

Additional reference number or description to clarify a contact number

Use to provide the title or the office symbol of the party cited in G6102.

Segment:	**MSG** Message Text			
Position:	550			
Loop:	N1 Optional			
Level:	Heading			
Usage:	Optional			
Max Use:	50			
Purpose:	To provide a free-form format that allows the transmission of text information			
Syntax Notes:	1 If MSG03 is present, then MSG02 is required.			
Semantic Notes:	1 MSG03 is the number of lines to advance before printing.			
Comments:	1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.			
	2 If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.			
Notes:	*1. Use this segment to provide clear text information applicable to the entity cited in the preceding N1 segment.*			
	2. Use of free form text is discouraged if the information can be provided by means of codes or data values within the transaction set.			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**MSG01**	**933**	**Free-Form Message Text**	**M AN 1/264**
			Free-form message text	
Not Used	**MSG02**	**934**	**Printer Carriage Control Code**	**X ID 2/2**
			A field to be used for the control of the line feed of the receiving printer	
Not Used	**MSG03**	**1470**	**Number**	**O N0 1/9**
			A generic number	

Segment:	**CB1** Contract and Cost Accounting Standards Data		
Position:	560		
Loop:	CB1 Optional		
Level:	Heading		
Usage:	Optional		
Max Use:	1		
Purpose:	To specify contract and cost accounting standards data		
Syntax Notes:			
Semantic Notes:			
Comments:			
Notes:	*Use this segment to identify the access required to specific data and information in the performance of the resultant award instrument and to indicate the actions required of and authorizations provided to the contractor under the resultant award instrument.*		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	CB101	1309	**Acquisition Data Code**	M ID 2/2

Code identifying acquisition data

18	Access to Communications Security Information Required
19	Access to Communication Security Information Not Required
20	Access to Restricted Data Required
21	Access to Restricted Data Not Required
22	Access to Critical Nuclear Weapon Design Information Required
23	Access to Critical Nuclear Weapon Design Information Not Required
24	Access to Formerly Restricted Data Required
25	Access to Formerly Restricted Data Not Required
26	Access to Sensitive Compartmented Information Required
27	Access to Sensitive Compartmented Information Not Required
28	Access to Non-sensitive Compartmented Information Required
29	Access to Non-sensitive Compartmented Information Not Required
30	Access to Special Access Information Required
31	Access to Special Access Information Not Required
32	Access to North Atlantic Treaty Organization Information Required

33	Access to North Atlantic Treaty Organization Information Not Required
34	Access to Foreign Government Information Required
35	Access to Foreign Government Information Not Required
36	Access to Limited Dissemination Information Required
37	Access to Limited Dissemination Information Not Required
38	Access to For Official Use Only Information Required
39	Access to For Official Use Only Information Not Required
40	Access to Other Type of Information Required
41	Access to Other Type of Information Not Required
42	Contractor Will Have Access to United States Classified Information at another Contractor's Facility or a Government Activity
43	Contractor Will Not Have Access to United States Classified Information at another Contractor's Facility or a Government Activity
44	Contractor Will Receive Classified Documents Only
45	Contractor Will Not Receive Classified Documents Only
46	Contractor Will Receive or Generate Classified Material
47	Contractor Will Not Receive or Generate Classified Material
48	Contractor Will Fabricate, Modify, or Store Classified Hardware
49	Contractor Will Not Fabricate, Modify, or Store Classified Hardware
50	Contractor Will Perform Services Only
51	Contractor Will Not Perform Services Only
52	Contractor Will Have Access to United States Classified Information outside the United States, Puerto Rico, United States Possessions and Trust Territories
53	Contractor Will Not Have Access to United States Classified Information outside the United States, Puerto Rico, United States Possessions and Trust Territories
54	Contractor Will Be Authorized to use the Services of Defense Technical Information Center or other Secondary Distribution Center
55	Contractor Will Not Be Authorized to use the Services of Defense Technical Information Center or other Secondary Distribution Center

56	Contractor Will Require a Communications Security Account
57	Contractor Will Not Require a Communications Security Account
58	Contractor Will Have Tempest Requirements
59	Contractor Will Not Have Tempest Requirements
60	Contractor Will Have Operations Security Requirements
61	Contractor Will Not Have Operations Security Requirements
62	Contractor Will Be Authorized to use the Defense Courier Service
63	Contractor Will Not Be Authorized to use the Defense Courier Service
64	Contractor Will Have some other Authorization in the Performance of the Contract
65	Contractor Will Not Have some other Authorization in the Performance of the Contract
66	Facility Clearance Required
67	Facility Clearance Not Required
68	Follow-on Contract

Use in conjunction with the 1/REF/570 segment, REF01 code P1.

69	Not a Follow-on Contract
70	Final Contract Security Classification Specification

Use in conjunction with the 1/SPI/440 segment, SPI07 code 20.

71	Not a Final Contract Security Classification Specification
72	Direct Public Release Authorized
73	Direct Public Release Not Authorized
74	Additional Materials being Forwarded
75	No Additional Materials being Forwarded
76	Additional Requirements Established

Use in conjunction with the 1/REF/570 segment, REF01 code KL or KT.

77	Additional Requirements Not Established
78	Elements of the Contract are outside the Inspection Responsibility of the Cognizant Security Office
79	No Element of the Contract Is Outside the Inspection Responsibility of the Cognizant Security Office
80	Contractor Distribution Required
81	Contractor Distribution Not Required

	82	Subcontractor Distribution Required		
	83	Subcontractor Distribution Not Required		
	84	Cognizant Security Office for Prime and Subcontractor Distribution Required		
	85	Cognizant Security Office for Prime and Subcontractor Distribution Not Required		
	86	United States Activity Responsible for Overseas Security Administration Distribution Required		
	87	United States Activity Responsible for Overseas Security Administration Distribution Not Required		
	88	Administrative Contracting Office Distribution Required		
	89	Administrative Contracting Office Distribution Not Required		
	90	Other Distribution Required		

Use in conjunction with the 1/REF/570 segment, REF01 code KU.

	91	Other Distribution Not Required		

Not Used   CB102   1310   Financing Type Code   O   ID 1/1

Code identifying the type of contract financing required by the submitter of a pricing proposal

Segment:	**REF** Reference Identification			
Position:	570			
Loop:	CB1	Optional		
Level:	Heading			
Usage:	Optional			
Max Use:	20			
Purpose:	To specify identifying information			
Syntax Notes:	1	At least one of REF02 or REF03 is required.		
	2	If either C04003 or C04004 is present, then the other is required.		
	3	If either C04005 or C04006 is present, then the other is required.		
Semantic Notes:	1	REF04 contains data relating to the value cited in REF02.		
Comments:				
Notes:	*Use this segment to provide reference numbers associated with access information contained in the Contract Security Classification Specification (DD Form 254).*			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	REF01	128	**Reference Identification Qualifier**	M ID 2/3

Code qualifying the Reference Identification

43   Supporting Document Number

Use to indicate a reference (paragraph number or section) that contains additional information applicable to the DD Form 254. Cite the reference in REF02 and in conjunction with REF03, identify the document.

KL   Contract Reference

Use in conjunction with the 1/CB1/560 segment CB101 code 76, to indicate a clause in the award instrument that contains additional security requirements or unique inspection requirements.

KT   Request for Quotation Reference

Use in conjunction with the 1/CB1/560 segment CB101 code 76, to indicate a clause in the solicitation that contains additional security requirements or unique inspection requirements.

KU   Office Symbol

Use in conjunction with the 1/CB1/560 segment, CB101 code 90, to indicate the office symbol to which additional distribution of the Contract Security Classification Specification (DD Form 254) is required.

P1   Previous Contract Number

Use in conjunction with the 1/CB1/560 segment,

			CB101 code 68, to indicate the preceding award instrument number under which classified data was received or generated.		
	REF02	**127**	**Reference Identification**	**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
	REF03	**352**	**Description**	**X**	**AN 1/80**
			A free-form description to clarify the related data elements and their content		
			Use in conjunction with REF01 code 43, to identify the document that contains the paragraph number or section where the applicable information is located.		
Not Used	**REF04**	**C040**	**Reference Identifier**	**O**	
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier		
Not Used	**C04001**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
			Code qualifying the Reference Identification		
Not Used	**C04002**	**127**	**Reference Identification**	**M**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	**C04003**	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**
			Code qualifying the Reference Identification		
Not Used	**C04004**	**127**	**Reference Identification**	**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	**C04005**	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**
			Code qualifying the Reference Identification		
Not Used	**C04006**	**127**	**Reference Identification**	**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

	Segment:	**DTM** Date/Time Reference
	Position:	580
	Loop:	CB1 Optional
	Level:	Heading
	Usage:	Optional
	Max Use:	5
	Purpose:	To specify pertinent dates and times

Syntax Notes: **1**   At least one of DTM02 DTM03 or DTM05 is required.

                    2   If DTM04 is present, then DTM03 is required.

                    3   If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**DTM01**	**374**	**Date/Time Qualifier**	**M ID 3/3**

         Code specifying type of date or time, or both date and time

            992   Date Requested

> ***Use in conjunction with then 1/CB1/560 segment,
> CB101 code 70, and the 1/LDT/590 segment,
> LDT01 code BA, to indicate the date of a
> contractor's request to retain classified material.***

	DTM02	**373**	**Date**	**X DT 8/8**

         Date expressed as CCYYMMDD

Not Used	**DTM03**	**337**	**Time**	**X TM 4/8**

         Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS,
or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes
(00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal
seconds are expressed as follows: D = tenths (0-9) and DD = hundredths
(00-99)

Not Used	**DTM04**	**623**	**Time Code**	**O ID 2/2**

         Code identifying the time. In accordance with International Standards
Organization standard 8601, time can be specified by a + or - and an
indication in hours in relation to Universal Time Coordinate (UTC) time;
since + is a restricted character, + and - are substituted by P and M in the
codes that follow

Not Used	**DTM05**	**1250**	**Date Time Period Format Qualifier**	**X ID 2/3**

         Code indicating the date format, time format, or date and time format

Not Used	**DTM06**	**1251**	**Date Time Period**	**X AN 1/35**

         Expression of a date, a time, or range of dates, times or dates and times

	Segment:	**LDT** Lead Time
	Position:	590
	Loop:	CB1 Optional
	Level:	Heading
	Usage:	Optional
	Max Use:	1
	Purpose:	To specify lead time for availability of products and services
	Syntax Notes:	
	Semantic Notes:	1 LDT04 is the effective date of lead time information.
	Comments:	1 LDT02 is the quantity of unit of time periods.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	LDT01	345	**Lead Time Code**	M ID 2/2
			Code indicating the time range	
			BA From Date of Award to Expiration Date of Authorization	
			Use in conjunction with the 1/DTM/580 segment, DTM01 code 992, to indicate the authorized period for a contractor to retain classified materials.	
M	LDT02	380	**Quantity**	M R 1/15
			Numeric value of quantity	
M	LDT03	344	**Unit of Time Period or Interval**	M ID 2/2
			Code indicating the time period or interval	
			CY Calendar Year	
			DA Calendar Days	
			MO Month	
			WK Weeks	
Not Used	LDT04	373	**Date**	O DT 8/8
			Date expressed as CCYYMMDD	

	Segment:	**MSG** Message Text
	Position:	600
	Loop:	CB1 Optional
	Level:	Heading
	Usage:	Optional
	Max Use:	50
	Purpose:	To provide a free-form format that allows the transmission of text information
	Syntax Notes:	1 If MSG03 is present, then MSG02 is required.
	Semantic Notes:	1 MSG03 is the number of lines to advance before printing.
	Comments:	1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
		2 If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.
	Notes:	*1. Use this segment to provide additional clear text information associated with a code cited in CB101.*
		2. Use of free form text is discouraged if the information can be provided by some other means within the transaction set.

Data Element Summary

	Ref. Des.	**Data Element**	**Name**	**Attributes**
M	MSG01	933	**Free-Form Message Text**	**M AN 1/264**
			Free-form message text	
Not Used	MSG02	934	**Printer Carriage Control Code**	**X ID 2/2**
			A field to be used for the control of the line feed of the receiving printer	
Not Used	MSG03	1470	**Number**	**O N0 1/9**
			A generic number	

Segment:	**PCT** Percent Amounts		
Position:	610		
Loop:	PCT	Optional	
Level:	Heading		
Usage:	Optional		
Max Use:	1		
Purpose:	To qualify percent amounts and supply percent amounts		
Syntax Notes:			
Semantic Notes:			
Comments:			
Notes:	*Use this segment to carry percentages that apply to all of the items in the solicitation. If the percentages vary by line item, use the 2/PCT/510 segment.*		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	PCT01	1004	**Percent Qualifier**	M ID 1/2
			Code to qualify percent	
			RG Progress Payment Rate	
			Use in conjunction with the 1/ITD/130 segment, ITD01 code 20, to indicate a Progress Payment rate that is other than the customary rate.	
			RR Alternate Progress Payment Liquidation Rate	
			Use in conjunction with the 1/ITD/130 segment, ITD01 code 20.	
M	PCT02	954	**Percent**	M R 1/10
			Percentage expressed as a decimal	
			Cite 4.25% as .0425; cite 3% as .03 (note: leading and trailing zeros are suppressed).	

Segment:	**PO1** Baseline Item Data
Position:	010
Loop:	PO1 Mandatory
Level:	Detail
Usage:	Mandatory
Max Use:	1
Purpose:	To specify basic and most frequently used line item data

Syntax Notes:

1. If PO103 is present, then PO102 is required.
2. If PO105 is present, then PO104 is required.
3. If either PO106 or PO107 is present, then the other is required.
4. If either PO108 or PO109 is present, then the other is required.
5. If either PO110 or PO111 is present, then the other is required.
6. If either PO112 or PO113 is present, then the other is required.
7. If either PO114 or PO115 is present, then the other is required.
8. If either PO116 or PO117 is present, then the other is required.
9. If either PO118 or PO119 is present, then the other is required.
10. If either PO120 or PO121 is present, then the other is required.
11. If either PO122 or PO123 is present, then the other is required.
12. If either PO124 or PO125 is present, then the other is required.

Semantic Notes:

Comments:

1. See the Data Element Dictionary for a complete list of IDs.
2. PO101 is the line item identification.
3. PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes:

1. Use this loop to identify all information related to a Contract Line Item Number (CLIN), a Subcontract Line Item Number (SUBCLIN), or an Exhibit Line Item Number (ELIN). Each iteration of the PO1 loop will carry all information related to the CLIN, SUBCLIN or ELIN specified in PO101.

2. When BQT01 is code 01, 17, or code 05 and the amendment does not affect table 2, only PO101 need be transmitted.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
PO101	350	Assigned Identification	O AN 1/20

Alphanumeric characters assigned for differentiation within a transaction set

1. Use to identify the Contract Line Item Number (CLIN), the Sub Contract Line Item Number (SUBCLIN), or the Exhibit Line Item Number (ELIN), if one is assigned.

2. When BQT01 is code 01, 17, or code 05 and the amendment does not affect table 2, cite the word "NONE" in this data element.

Ref. Des.	Data Element	Name	Attributes
PO102	330	Quantity Ordered	X R 1/15

Quantity ordered

1. Use in conjunction with PO103 to specify the quantity of the item being solicited. If prices for step ladder quantities are being solicited, PO102 will cite the base quantity that is being solicited and the step ladder quantities will be cited in the 2/CTP/040 segment.

2. Minimum and maximum quantities that will be ordered under a resultant Indefinite Delivery Indefinite Quantity (IDIQ) award instrument are specified in the 2/MEA/049 segment.

3. Do not use this data element at the CLIN level if the quantities are specified at the SUBCLIN level.

PO103   **355**   **Unit or Basis for Measurement Code**   **O   ID 2/2**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

1. Use any code other than ZZ, but the listed code should be used as indicated by the note.

2. Do not use this data element at the CLIN level if the quantities are specified at the SUBCLIN level.

3. A conversion table may be required to convert agency codes to ASC X12 codes.

Refer to 004010 Data Element Dictionary for acceptable code values.

PO104   **212**   **Unit Price**   **X   R 1/17**

Price per unit of product, service, commodity, etc.

1. To comply with the X12 syntax, when PO105 is used, cite "0" in this data element.

2. Use in conjunction with PO105.

PO105   **639**   **Basis of Unit Price Code**   **O   ID 2/2**

Code identifying the type of unit price for an item

CA	Catalog
ES	Estimated
FB	Fabrication Cost

Use to indicate the price includes the incorporation of Government Furnished Property (GFP) into the item.

KA	Price with Government Furnished Property

Use to indicate the price of the items includes the use of GFP to manufacture the item.

NC	No Charge
NE	Not to Exceed
NS	Not Separately Priced

840 (R1)

> *Use to indicate that the offerors are not to provide a price for this item but are to include the cost in the price of the item to which it pertains, e.g., data may not be separately priced.*

PQ   Posted

> *Use to indicate offerors are to provide a TOTAL price for the line item, NOT A UNIT PRICE.*

TB   To be negotiated.

PO106   235   Product/Service ID Qualifier   X   ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

1. PO106 through PO125 are used in pairs, e.g., PO106 contains a qualifier code and PO107 contains data related to the code.

2. Any code, other than code A8, can be used, but the listed codes are preferred.

AK   Refined Product Code
BL   Brand/Label
Use to indicate the product's brand or model name, e.g., Trinitron is the Sony brand name for a TV or computer monitor.

CG   Commodity Grouping
Use to indicate a commodity code, e.g., the 2 position Federal Supply Group code.

CH   Country of Origin Code
When used, cite the two position ISO 3166 country code in the following 234 data element.

CL   Color
DG   Discount Grouping
Use to indicate a discount group to which the line item pertains.

EF   Exhibit Identifier
Use in conjunction with the 2/PER/110 segment, PER01 codes AU and PI, to indicate the letter assigned to an exhibit.

EN   European Article Number (EAN)(2-5-5-1)
EQ   Equipment Type
F1   Catalog Number
Use to indicate a catalog number that identifies the product.

F7   End-Item Description
Use to indicate the end item to which the ordered item applies.

F8   Next Higher Used Assembly
Use to indicate the next higher assembly to which the ordered item
applies.

FS   National Stock Number
The NSN shall be transmitted without dashes.

FT   Federal Supply Classification
Use to indicate the 4 position Federal Supply Classification code or
Product Service code

HI   HIBC (Health Industry Bar Code)
IN   Buyer's Item Number
Use to indicate a locally assigned code for a product or service whenever
stock number does not apply.

KA   Engineering Data List
Use to indicate the Engineering Data List that contains technical
information related to the CLIN or SUBCLIN.

KB   Data Category Code
When PO101 is a CLIN or SUBCLIN related to an exhibit, use to
indicate the data category of a Contract Data Requirements List.

KD   Replacement National Stock Number
KF   Item Type Number
KG   Time Compliant Technical Order
KI   Cognizance Symbol
KJ   Material Control Code
KK   Special Material Identification Code
KL   Item Management Code
KM   Shelf-Life Code
KN   Shelf-Life Action Code
LT   Lot Number
MF   Manufacturer
When used, cite the DUNS number of the manufacturer in the
following data element.

MG   Manufacturer's Part Number
When used, a second 235/234 pair must be used citing either code MF
or ZB.

MN   Model Number
N1   National Drug Code in 4-4-2 Format
N2   National Drug Code in 5-3-2 Format
N3   National Drug Code in 5-4-1 Format
N4   National Drug Code in 5-4-2- Format
ND   National Drug Code (NDC)

PA   Pattern Number
PD   Part Number Description
Use to indicate the noun nomenclature of the item.

PI   Purchaser's Item Code
Use to indicate a GSA Special Item Number.

PU   Part Reference Number
Use to indicate a part number assigned by an industry (not related to a specific manufacturer). Do not use for National Drug Codes.

RC   Returnable Container No.
Use to indicate a National Stock Number (NSN), manufacturer's part number, or other identifying number (except a serial number) of a returnable container. The serial number of a returnable container will be carried in the 2/N9/320 segment with code RS in N901.

SN   Serial Number
Use to indicate the serial number of the item. For example, the serial number of an aircraft engine that is to be repaired.

SV   Service Rendered
Use to indicate (in text) the service being solicited.

SW   Stock Number
Use to indicate a local stock number.

SZ   Vendor Alphanumeric Size Code (NRMA)
Use to indicate the size of an item being ordered.

UA   U.P.C./EAN Case Code (2-5-5)
UI   U.P.C. Consumer Package Code (1-5-5)
UK   U.P.C./EAN Shipping Container Code (1-2-5-5-1)
UP   U.P.C. Consumer Package Code (1-5-5-1)
UX   Universal Product Number.
VP   Vendor's (Seller's) Part Number
Use to indicate a part number assigned by a contractor other than a manufacturer.

ZB   Commercial and Government Entity (CAGE) Code
Use to indicate a manufacturer who can be identified by a CAGE code.

ZZ   Mutually Defined
Use to indicate a miscellaneous charge, e.g., transportation, insurance, warranty, taxes, etc. Cite "Misc. Charge" in the following 234 data element and identify the purpose of the charge using an appropriate code in SAC02 of the 2/SAC/130 segment. Miscellaneous charges, other than transportation charges, may be grouped in a single

> *CLIN/SUBCLIN provided they are all funded by the same CIN. Transportation charges MUST be a separate CLIN/SUBCLIN.*

Refer to 004010 Data Element Dictionary for acceptable code values.

PO107	**234**	**Product/Service ID**	**X**	**AN 1/48**

Identifying number for a product or service

PO108	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 004010 Data Element Dictionary for acceptable code values.

PO109	**234**	**Product/Service ID**	**X**	**AN 1/48**

Identifying number for a product or service

PO110	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 004010 Data Element Dictionary for acceptable code values.

PO111	**234**	**Product/Service ID**	**X**	**AN 1/48**

Identifying number for a product or service

PO112	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 004010 Data Element Dictionary for acceptable code values.

PO113	**234**	**Product/Service ID**	**X**	**AN 1/48**

Identifying number for a product or service

PO114	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 004010 Data Element Dictionary for acceptable code values.

PO115	**234**	**Product/Service ID**	**X**	**AN 1/48**

Identifying number for a product or service

PO116	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 004010 Data Element Dictionary for acceptable code values.

PO117	**234**	**Product/Service ID**	**X**	**AN 1/48**

Identifying number for a product or service

PO118	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 004010 Data Element Dictionary for acceptable code values.

PO119	**234**	**Product/Service ID**	**X**	**AN 1/48**

Identifying number for a product or service

PO120	**235**	**Product/Service ID Qualifier**		**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 004010 Data Element Dictionary for acceptable code values.

PO121	**234**	**Product/Service ID**		**X**	**AN 1/48**

Identifying number for a product or service

PO122	**235**	**Product/Service ID Qualifier**		**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 004010 Data Element Dictionary for acceptable code values.

PO123	**234**	**Product/Service ID**		**X**	**AN 1/48**

Identifying number for a product or service

PO124	**235**	**Product/Service ID Qualifier**		**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 004010 Data Element Dictionary for acceptable code values.

PO125	**234**	**Product/Service ID**		**X**	**AN 1/48**

Identifying number for a product or service

Segment:	**LIN** Item Identification			
Position:	015			
Loop:	PO1	Mandatory		
Level:	Detail			
Usage:	Optional			
Max Use:	>1			
Purpose:	To specify basic item identification data			

Syntax Notes:
1. If either LIN04 or LIN05 is present, then the other is required.
2. If either LIN06 or LIN07 is present, then the other is required.
3. If either LIN08 or LIN09 is present, then the other is required.
4. If either LIN10 or LIN11 is present, then the other is required.
5. If either LIN12 or LIN13 is present, then the other is required.
6. If either LIN14 or LIN15 is present, then the other is required.
7. If either LIN16 or LIN17 is present, then the other is required.
8. If either LIN18 or LIN19 is present, then the other is required.
9. If either LIN20 or LIN21 is present, then the other is required.
10. If either LIN22 or LIN23 is present, then the other is required.
11. If either LIN24 or LIN25 is present, then the other is required.
12. If either LIN26 or LIN27 is present, then the other is required.
13. If either LIN28 or LIN29 is present, then the other is required.
14. If either LIN30 or LIN31 is present, then the other is required.

Semantic Notes:
1. LIN01 is the line item identification

Comments:
1. See the Data Dictionary for a complete list of IDs.
2. LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: *Use this segment to provide additional qualifier codes that further identify the product or service.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Not Used	LIN01	350	**Assigned Identification**	O	AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set		
M	LIN02	235	**Product/Service ID Qualifier**	M	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		

1. LIN02 through LIN31 are used in pairs, e.g., LIN02 contains a qualifier code and LIN03 contains data related to the code.

2. Any code other than code A8, EF, KB, and ZZ can be used, but the listed codes are preferred.

AK   Refined Product Code
BL   Brand/Label

Use to indicate the product's brand or model name, e.g., Trinitron is the Sony brand name for a TV or computer monitor

CG   Commodity Grouping
Use to indicate a commodity code, e.g., the 2 position Federal Supply Group code.

CH   Country of Origin Code
When used, cite the two position ISO 3166 country code in the following 234 data element.

CL   Color
DG   Discount Grouping
Use to indicate a discount group to which the line item pertains.

EN   European Article Number (EAN)(2-5-5-1)
EQ   Equipment Type
F1   Catalog Number
Use to indicate a catalog number that identifies the product.

F7   End-Item Description
Use to indicate the end item to which the ordered item applies.

F8   Next Higher Used Assembly
Use to indicate the next higher assembly to which the ordered item applies.

FS   National Stock Number
The NSN shall be transmitted without dashes.

FT   Federal Supply Classification
Use to indicate the 4 position Federal Supply Classification code or Product Service code

HI   HIBC (Health Industry Bar Code)
IN   Buyer's Item Number
Use to indicate a locally assigned code for a product or service whenever stock number does not apply.

KA   Engineering Data List
Use to indicate the Engineering Data List that contains technical information related to the CLIN or SUBCLIN.

KD   Replacement National Stock Number
KF   Item Type Number
KG   Time Compliant Technical Order
KI   Cognizance Symbol
KJ   Material Control Code

KK   Special Material Identification Code
KL   Item Management Code
KM   Shelf-Life Code
KN   Shelf-Life Action Code
LT   Lot Number
MF   Manufacturer
When used, cite the DUNS number of the manufacturer in the
following data element.

MG   Manufacturer's Part Number
When used, a second 235/234 pair must be used citing either code MF
or ZB.

MN   Model Number
N1   National Drug Code in 4-4-2 Format
N2   National Drug Code in 5-3-2 Format
N3   National Drug Code in 5-4-1 Format
N4   National Drug Code in 5-4-2- Format
ND   National Drug Code (NDC)
PA   Pattern Number
PD   Part Number Description
Use to indicate the noun nomenclature of the item.

PI   Purchaser's Item Code
Use to indicate a GSA Special Item Number

PU   Part Reference Number
Use to indicate a part number assigned by an industry (not related to a
specific manufacturer). Do not use for National Drug Codes.

RC   Returnable Container No.
Use to indicate an NSN, manufacturer's part number, or other
identifying number (except a serial number) of a returnable container.
The serial number of a returnable container will be carried in the REF
segment with code RS.

SN   Serial Number
Use to indicate the serial number of the item cited in PO101. For
example, the serial number of an aircraft engine that is to be repaired.

SV   Service Rendered
Use to indicate (in text) the service being ordered.

SW   Stock Number
Use to indicate a local stock number.

SZ   Vendor Alphanumeric Size Code (NRMA)
Use to indicate the size of an item being ordered.

UA U.P.C//EAN Case Code (2-5-5)
UI U.P.C. Consumer Package Code (1-5-5)
UK U.P.C./EAN Shipping Container Code (1-2-5-5-1)
UP U.P.C. Consumer Package Code (1-5-5-1)
UX Universal Product Number
VP Vendor's (Seller's) Part Number
Use to indicate a part number assigned by a contractor other than a
manufacturer.

ZB Commercial and Government Entity (CAGE) Code
Use to indicate a manufacturer who can be identified by a CAGE code.

Refer to 004010 Data Element Dictionary for acceptable code values.

M	LIN03	234	**Product/Service ID**	M	AN 1/48

Identifying number for a product or service

	LIN04	235	**Product/Service ID Qualifier**	X	ID 2/2

Code identifying the type/source of the descriptive number used in
Product/Service ID (234)

Refer to 004010 Data Element Dictionary for acceptable code values.

	LIN05	234	**Product/Service ID**	X	AN 1/48

Identifying number for a product or service

	LIN06	235	**Product/Service ID Qualifier**	X	ID 2/2

Code identifying the type/source of the descriptive number used in
Product/Service ID (234)

Refer to 004010 Data Element Dictionary for acceptable code values.

	LIN07	234	**Product/Service ID**	X	AN 1/48

Identifying number for a product or service

	LIN08	235	**Product/Service ID Qualifier**	X	ID 2/2

Code identifying the type/source of the descriptive number used in
Product/Service ID (234)

Refer to 004010 Data Element Dictionary for acceptable code values.

	LIN09	234	**Product/Service ID**	X	AN 1/48

Identifying number for a product or service

	LIN10	235	**Product/Service ID Qualifier**	X	ID 2/2

Code identifying the type/source of the descriptive number used in
Product/Service ID (234)

Refer to 004010 Data Element Dictionary for acceptable code values.

	LIN11	234	**Product/Service ID**	X	AN 1/48

Identifying number for a product or service

	LIN12	235	**Product/Service ID Qualifier**	X	ID 2/2

Code identifying the type/source of the descriptive number used in
Product/Service ID (234)

Refer to 004010 Data Element Dictionary for acceptable code values.

LIN13	**234**	**Product/Service ID**		**X**	**AN 1/48**

Identifying number for a product or service

LIN14	**235**	**Product/Service ID Qualifier**		**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 004010 Data Element Dictionary for acceptable code values.

LIN15	**234**	**Product/Service ID**		**X**	**AN 1/48**

Identifying number for a product or service

LIN16	**235**	**Product/Service ID Qualifier**		**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 004010 Data Element Dictionary for acceptable code values.

LIN17	**234**	**Product/Service ID**		**X**	**AN 1/48**

Identifying number for a product or service

LIN18	**235**	**Product/Service ID Qualifier**		**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 004010 Data Element Dictionary for acceptable code values.

LIN19	**234**	**Product/Service ID**		**X**	**AN 1/48**

Identifying number for a product or service

LIN20	**235**	**Product/Service ID Qualifier**		**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 004010 Data Element Dictionary for acceptable code values.

LIN21	**234**	**Product/Service ID**		**X**	**AN 1/48**

Identifying number for a product or service

LIN22	**235**	**Product/Service ID Qualifier**		**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 004010 Data Element Dictionary for acceptable code values.

LIN23	**234**	**Product/Service ID**		**X**	**AN 1/48**

Identifying number for a product or service

LIN24	**235**	**Product/Service ID Qualifier**		**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 004010 Data Element Dictionary for acceptable code values.

LIN25	**234**	**Product/Service ID**		**X**	**AN 1/48**

Identifying number for a product or service

LIN26	**235**	**Product/Service ID Qualifier**		**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 004010 Data Element Dictionary for acceptable code values.

LIN27	**234**	**Product/Service ID**	**X**	**AN 1/48**

Identifying number for a product or service

LIN28	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 004010 Data Element Dictionary for acceptable code values.

LIN29	**234**	**Product/Service ID**	**X**	**AN 1/48**

Identifying number for a product or service

LIN30	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 004010 Data Element Dictionary for acceptable code values.

LIN31	**234**	**Product/Service ID**	**X**	**AN 1/48**

Identifying number for a product or service

Segment: **CUR** Currency
Position: 020
Loop: PO1   Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction
Syntax Notes:
1   If CUR08 is present, then CUR07 is required.
2   If CUR09 is present, then CUR07 is required.
3   If CUR10 is present, then at least one of CUR11 or CUR12 is required.
4   If CUR11 is present, then CUR10 is required.
5   If CUR12 is present, then CUR10 is required.
6   If CUR13 is present, then at least one of CUR14 or CUR15 is required.
7   If CUR14 is present, then CUR13 is required.
8   If CUR15 is present, then CUR13 is required.
9   If CUR16 is present, then at least one of CUR17 or CUR18 is required.
10 If CUR17 is present, then CUR16 is required.
11 If CUR18 is present, then CUR16 is required.
12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
13 If CUR20 is present, then CUR19 is required.
14 If CUR21 is present, then CUR19 is required.

Semantic Notes:
Comments:
1   See Figures Appendix for examples detailing the use of the CUR segment.
Notes:
1. Use to indicate that quotes for the line item may be submitted in a currency other than US dollars. Do not use when quotes are to be submitted only in US dollars. When used, one currency, other than US dollars must be cited in CUR02. CUR05 may be used to cite a second acceptable currency.

2. If quotes may be submitted in any currency, use the 2/N9/320 loop with code K7 in N901 and use the 2/MSG/330 segment to provide that instruction.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	CUR01	98	**Entity Identifier Code**	**M ID 2/3**

Code identifying an organizational entity, a physical location, property or an individual

C5   Party Submitting Quote

Use to indicate that a quoting party may quote in a currency cited in CUR02 or CUR05.

	Ref. Des.	Data Element	Name	Attributes
M	CUR02	100	**Currency Code**	**M ID 3/3**

Code (Standard ISO) for country in whose currency the charges are specified

Use any code other than the code for US dollars.

	Ref. Des.	Data Element	Name	Attributes
Not Used	CUR03	280	**Exchange Rate**	**O R 4/10**

> Value to be used as a multiplier conversion factor to convert monetary value from one currency to another

Not Used	CUR04	98	**Entity Identifier Code**	**O**	**ID 2/3**

Code identifying an organizational entity, a physical location, property or an individual

	CUR05	100	**Currency Code**	**O**	**ID 3/3**

Code (Standard ISO) for country in whose currency the charges are specified

Use any code other than the code for US dollars.

Not Used	CUR06	669	**Currency Market/Exchange Code**	**O**	**ID 3/3**

Code identifying the market upon which the currency exchange rate is based

Not Used	CUR07	374	**Date/Time Qualifier**	**X**	**ID 3/3**

Code specifying type of date or time, or both date and time

Not Used	CUR08	373	**Date**	**O**	**DT 8/8**

Date expressed as CCYYMMDD

Not Used	CUR09	337	**Time**	**O**	**TM 4/8**

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Not Used	CUR10	374	**Date/Time Qualifier**	**X**	**ID 3/3**

Code specifying type of date or time, or both date and time

Not Used	CUR11	373	**Date**	**X**	**DT 8/8**

Date expressed as CCYYMMDD

Not Used	CUR12	337	**Time**	**X**	**TM 4/8**

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Not Used	CUR13	374	**Date/Time Qualifier**	**X**	**ID 3/3**

Code specifying type of date or time, or both date and time

Not Used	CUR14	373	**Date**	**X**	**DT 8/8**

Date expressed as CCYYMMDD

Not Used	CUR15	337	**Time**	**X**	**TM 4/8**

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Not Used	CUR16	374	**Date/Time Qualifier**	**X**	**ID 3/3**

Code specifying type of date or time, or both date and time

| Not Used | CUR17 | 373 | **Date** | **X** | **DT 8/8** |

Date expressed as CCYYMMDD

| Not Used | CUR18 | 337 | **Time** | **X** | **TM 4/8** |

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

| Not Used | CUR19 | 374 | **Date/Time Qualifier** | **X** | **ID 3/3** |

Code specifying type of date or time, or both date and time

| Not Used | CUR20 | 373 | **Date** | **X** | **DT 8/8** |

Date expressed as CCYYMMDD

| Not Used | CUR21 | 337 | **Time** | **X** | **TM 4/8** |

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Segment:		**CN1** Contract Information		
Position:		025		
Loop:		PO1	Mandatory	
Level:		Detail		
Usage:		Optional		
Max Use:		1		
Purpose:		To specify basic data about the contract or contract line item		
Syntax Notes:				
Semantic Notes:		1 CN102 is the contract amount.		
		2 CN103 is the allowance or charge percent.		
		3 CN104 is the contract code.		
		4 CN106 is an additional identifying number for the contract.		
Comments:				

Notes: *Use this segment to identify the type of pricing arrangement that is expected to be applicable to a specific line item if it will differ from the pricing arrangement that is expected to be applicable to the award instrument. BQT08 specifies the pricing arrangement that is expected to be applicable to the entire award instrument. BQT08 and the 2/CN1/025 segment can both be included in the transaction set if needed.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	CN101	1166	**Contract Type Code**	M ID 2/2

Code identifying a contract type

CA	Cost Plus Incentive Fee (With Performance Incentives)
CH	Cost Sharing
CS	Cost
CW	Cost Plus Award Fee
CX	Cost Plus Fixed Fee
CY	Cost Plus Incentive Fee
FB	Fixed Price Incentive Firm Target (With Performance Incentive)
FC	Fixed Price Incentive Firm Target (Without Performance Incentive)
FD	Fixed Price Redetermination
	Use to indicate a prospective fixed price redetermination procurement line item.
FF	Fixed Price Incentive Successive Target (With Performance Incentive)
FG	Fixed Price Incentive Successive Target (Without Performance Incentive)
FH	Fixed Price Award Fee

		FJ	Fixed Price Level of Effort		
		FK	No Cost		
		FM	Retroactive Fixed Price Redetermination		
		FR	Firm Fixed Price		
		FX	Fixed Price with Economic Price Adjustment		
		LH	Labor Hours		
		TM	Time and Materials		

Not Used CN102 782 Monetary Amount   O R 1/18

Monetary amount

Not Used CN103 332 Percent   O R 1/6

Percent expressed as a percent

Not Used CN104 127 Reference Identification   O AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Not Used CN105 338 Terms Discount Percent   O R 1/6

Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date

Not Used CN106 799 Version Identifier   O AN 1/30

Revision level of a particular format, program, technique or algorithm

	Segment:	**PO3** Additional Item Detail
	Position:	030
	Loop:	PO1 Mandatory
	Level:	Detail
	Usage:	Optional
	Max Use:	25
	Purpose:	To specify additional item-related data involving variations in normal price/quantity structure
	Syntax Notes:	1 If PO304 is present, then at least one of PO303 or PO305 is required.
	Semantic Notes:	
	Comments:	1 Some examples of price/quantity variations are: price in different units from the PO1 segment, price changes by date, or price changes by quantity (break and level).
		2 PO307 defines the unit of measure for PO306.
	Notes:	*Use this segment to provide additional information applicable to the CLIN, SUBCLIN, or ELIN specified in PO101.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	PO301	371	**Change Reason Code**	M ID 2/2
			Code specifying the reason for price or quantity change	
			AQ Alternate Quantity and Unit of Measure	
			Use to specify that the CLIN or SUBCLIN has an alternate quantity and unit of measure (e.g. PO102/03 could cite 10,000 LB and PO306/07 could cite 10 SH. Both quantities and units of measure are applicable to the item being solicited - steel plates).	
			EV Estimated Quantity	
			Use to indicate the quantity cited in PO102 is an estimated quantity.	
			UP Unit Price	
			Use in conjunction with PO303 and PO304 to indicate that the price cited in PO304 is currently available for ordering this item pursuant to a Federal Supply Schedule or other award instrument.	
Not Used	PO302	373	**Date**	O DT 8/8
			Date expressed as CCYYMMDD	
	PO303	236	**Price Identifier Code**	X ID 3/3
			Code identifying pricing specification	
			Use in conjunction with PO301 code UP.	
			GOV Government Price	

	PO304	212	**Unit Price**		O	R 1/17

Price per unit of product, service, commodity, etc.

Use in conjunction with PO301 code UP.

Not Used	PO305	639	**Basis of Unit Price Code**		X	ID 2/2

Code identifying the type of unit price for an item

M	PO306	380	**Quantity**		M	R 1/15

Numeric value of quantity

1. When PO301 is code EV or UP, repeat the quantity cited in PO102.

2. When PO301 is code AQ, cite the applicable quantity.

M	PO307	355	**Unit or Basis for Measurement Code**		M	ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

1. Use any code other than code ZZ.

2. Due to the mandatory nature of this data element, when PO301 is code EV or UP, repeat the unit of measure cited in PO103.

3. An application program conversion table may be required to convert agency codes to ASC X12 codes.

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	PO308	352	**Description**		O	AN 1/80

A free-form description to clarify the related data elements and their content

Segment:	**CTP** Pricing Information	
Position:	040	
Loop:	PO1 Mandatory	
Level:	Detail	
Usage:	Optional	
Max Use:	>1	
Purpose:	To specify pricing information	

Syntax Notes:
1. If either CTP04 or CTP05 is present, then the other is required.
2. If CTP06 is present, then CTP07 is required.
3. If CTP09 is present, then CTP02 is required.
4. If CTP10 is present, then CTP02 is required.
5. If CTP11 is present, then CTP03 is required.

Semantic Notes:
1. CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of .90 would be the factor if a 10% discount is given.
2. CTP08 is the rebate amount.

Comments:
1. See Figures Appendix for an example detailing the use of CTP03 and CTP04. See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07.

Notes: *Use this segment to signal to prospective offerors that a variety of prices are being solicited, e.g., step-ladder prices (prices based on a range of solicited quantities), zone prices (prices based on deliveries to various geographic locations), or labor rates for categories of labor an offeror may propose for a time and materials or labor hour award instrument. It is also used to request the offeror to specify quantities at which he offers a price break, or to indicate that his catalog price along with his quoted price is required in his proposal.*

Example of how prices are solicited for step ladder quantities for quantities 1-10, 11-20, 21-30, and 31-50:

CTP**PBQ**1*EA N/L
CTP**ICL**10*EA N/L
CTP**ICL**20*EA N/L
CTP**ICL**30*EA N/L
CTP**MAX**50*EA N/L

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Not Used	CTP01	687	**Class of Trade Code**	O	ID 2/2
			Code indicating class of trade		
	CTP02	236	**Price Identifier Code**	X	ID 3/3
			Code identifying pricing specification		

Use to identify the type of prices an offeror is required to submit in his quote.

 CAT Catalog Price

 Use to indicate the offeror, in addition to his

	quoted price, is to provide his catalog price for the item specified in PO101.
ICL	Unit Price Through Quantity
	1. When prices are being solicited for quantity ranges applicable to step ladder pricing, use to indicate the end of a quantity range.
	2. Use in conjunction with codes PBQ and MAX for step ladder pricing. Step ladder pricing is defined as the price specified for the quantity range containing the quantity purchased, applying to all the items purchased. Use of codes ICL, MAX and PBQ is in contrast to use of code PAQ which identifies quantities at which different prices are applied.
LAR	Labor Rate
	Use to indicate the offeror is to provide hourly labor rates for the labor categories quoted. These labor rates will be provided in the PD/PDD loop of the 843 transaction set.
LPP	Lease to Purchase Price
MAX	Maximum Order Quantity Price
	1. When prices are being solicited for quantity ranges applicable to step ladder pricing, use to indicate the quantity above which the price will not change.
	2. Use in conjunction with codes ICL and PBQ for step ladder pricing. Step ladder pricing is defined as the price specified for the quantity range containing the quantity purchased, applying to all the items purchased. Use of codes ICL, MAX and PBQ is in contrast to use of code PAQ which identifies quantities at which different prices are applied.
PAQ	Price Break Quantity(s)
	Use to indicate that the offeror is to identify a quantity where an incremental price break occurs. For example, if price breaks occur at quantities 11, 21, 31, etc., then for a purchase quantity of 25, the first 10 units are at the first price, the next 10 units are at the second price and the last 5 units are at the third price. This is in contrast to step ladder prices where all 25 units are one price.
PBQ	Unit Price Beginning Quantity

> *1. When prices are being solicited for quantity ranges applicable to step ladder pricing, use to indicate the beginning of a quantity range.*
>
> *2. Use in conjunction with codes ICL and MAX for step ladder pricing. Step ladder pricing is defined as the price specified for the quantity range containing the quantity purchased, applying to all the items purchased. Use of codes ICL, MAX and PBQ is in contrast to use of code PAQ which identifies quantities at which different prices are applied.*

RPP   Replacement Price

> *Use to indicate the acquisition cost to replace the item identified in the PO1 segment being repaired or overhauled.*

ZNP   Zone Price

> *Use in conjunction with CTP10 to indicate that prices are being solicited for delivery to the zone cited in CTP10. This is the total price of the item and is based on standard commercial packaging and preservation.*

Not Used	CTP03	212	**Unit Price**	X	R 1/17

Price per unit of product, service, commodity, etc.

	CTP04	380	**Quantity**	X	R 1/15

Numeric value of quantity

> *When CTP02 is code LAR and CTP05 is code HR, cite "1".*

	CTP05	C001	**Composite Unit of Measure**	X	

To identify a composite unit of measure (See Figures Appendix for examples of use)

M	C00101	355	**Unit or Basis for Measurement Code**	M	ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

> *1. Use any code other than code ZZ.*
>
> *2. A conversion table may be required to convert agency codes to ASC X12 codes.*
>
> *HR   Hours*
> *When CTP02 is code LAR, use to indicate the offeror is to provide the estimated number of hours applicable to the effort being solicited. The estimated labor hours will be provided in the PD/PDD loop of the 843 transaction set.*

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	C00102	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
Not Used	C00103	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	C00104	355	**Unit or Basis for Measurement Code**	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	C00105	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
Not Used	C00106	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	C00107	355	**Unit or Basis for Measurement Code**	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	C00108	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
Not Used	C00109	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	C00110	355	**Unit or Basis for Measurement Code**	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	C00111	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
Not Used	C00112	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	C00113	355	**Unit or Basis for Measurement Code**	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	C00114	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
Not Used	C00115	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	CTP06	648	**Price Multiplier Qualifier**	O	ID 3/3
			Code indicating the type of price multiplier		
Not Used	CTP07	649	**Multiplier**	X	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	CTP08	782	**Monetary Amount**	O	R 1/18
			Monetary amount		
Not Used	CTP09	639	**Basis of Unit Price Code**	O	ID 2/2
			Code identifying the type of unit price for an item		
	CTP10	499	**Condition Value**	O	AN 1/10

Identifies rate restrictions or provisions

Use in conjunction with CTP02 code ZNP, to identify the delivery zone for which prices are being solicited.

| Not Used | CTP11 | 289 | **Multiple Price Quantity** | O | N0 1/2 |

Quantity of units for a given price, e.g., 3 for $10.00

Segment:	**MEA** Measurements
Position:	049
Loop:	PO1 Mandatory
Level:	Detail
Usage:	Optional
Max Use:	40
Purpose:	To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)

Syntax Notes:
1. At least one of MEA03 MEA05 MEA06 or MEA08 is required.
2. If MEA05 is present, then MEA04 is required.
3. If MEA06 is present, then MEA04 is required.
4. If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
5. Only one of MEA08 or MEA03 may be present.

Semantic Notes:
1. MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.

Comments:
1. When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Notes:
1. Use this segment to provide information that applies to a specific line item. Use the 1/MEA/200 segment to provide information that applies to all of the line items.

2. This segment can be used to specify various measurements of the product; to specify the maximum size standards for the Standard Industrial Classification (SIC) Code or the North American Industry Classification System Code; to specify the length of a required warranty; to specify the variations in quantity permitted, and for line items in a basic type award instrument, e.g., a requirements, a BPA, an indefinite quantity type award instrument, etc., the minimum/maximum quantity per order, the maximum that may be ordered during a specified time period, the minimum and maximum obligations of the government and the contractor.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
MEA01	737	**Measurement Reference ID Code**	O ID 2/2

Code identifying the broad category to which a measurement applies

Use any code.

BT   Batch Limits
When BQT06 is code KB, KD, KE, KI, KQ, or KR, use to indicate the minimum and maximum limits of the Government's obligation to order either in terms of dollars or quantity under a basic type award instrument. When BQT06 is code KT or RL, use to indicate the minimum and maximum limits of the Government's obligation to order either in terms of dollars or quantity under the specific Task Order or Delivery Order. Use MEA04-C00101 to identify the unit of measure

(dollars, each, etc.) and use MEA05/06 to specify the minimum and maximum.

CS   Core Size
Use in conjunction with the 2/REF/100 segment, REF01 code PG or code IJ, to indicate the maximum size standard, either as the number of employees or the annual revenue, for the cited NAICS code or SIC code. Identify the maximum size` in MEA03 and the basis (revenue or employees) in MEA04-C00101.

LT   Lot Limits
Use to indicate the minimum and maximum limits of the contractor's obligation either in terms of dollars or quantity to deliver under a basic type award instrument. Do not use for a purchase order or a delivery order. Use MEA04-C00101 to identify the unit of measure (dollars, each, etc.) and use MEA05/06 to specify the minimum and maximum.

OL   Order Limits
Use to indicate the maximum the Government may order from a basic type procurement instrument in a specified time period. Do not use for a purchase order or a delivery order. Use MEA03 to identify the quantity, MEA04-C00101 to identify the unit of measure, and MEA04 -C00104 to identify the time period.

PM   Permitted
Use to indicate the minimum and maximum quantity or dollars permitted per order against a basic type award instrument. Use MEA04 -C00101 to identify the unit of measure (dollars, each, etc.) and use MEA05/06 to specify the minimum and maximum.

QV   Quantity Variation
Use to indicate variations in quantity that are permitted. When the quantity variation is expressed as a discrete quantity, cite in MEA04 -C00101, the same code cited in PO103 of the 1/PO1/010 loop, and specify the quantity under and/or over in MEA05/06. If the quantity variation is expressed as a percent, cite code P1 in MEA04-C00101.

WR   Warranty
Use in conjunction with the 2/CSH/142 segment, CSH01 code WY and MEA03/04-C00101 to indicate a warranty period.

Refer to 004010 Data Element Dictionary for acceptable code values.

MEA02	**738**	**Measurement Qualifier**	**O**	**ID 1/3**

Code identifying a specific product or process characteristic to which a measurement applies

MX   Maximum

1. When MEA01 is code CS, use to indicate the maximum size standard applicable to the SIC or

NAICS code specified in the 2/REF/100 segment.

2. When MEA01 is code OL, use to indicate the maximum amount that can be ordered in a specified period of time.

RY   Ratio

When CN101 is code CA, CH, CY, FB, FC, FF, or FG, use to indicate the Government and contractor share ratio. Identify the Government share in MEA05 and the contractor share in MEA06.

TT   Time

Use, in conjunction with MEA01 code WR, to indicate the length of a warranty period. Specify the length of the time period in MEA03 and the time period in MEA04-C00101.

ZZZ   Mutually Defined

Use this code to indicate minimum guarantee award quantity percentage, minimum guarantee award quantity/amount, maximum ceiling award quantity/amount, and minimum guarantee award amount percentage. When this code is used to specify minimum guarantee award quantity or maximum ceiling award quantity, cite code EA in MEA04-C00101, the minimum quantity in MEA05 or the maximum quantity in MEA06. To specify minimum guarantee award amount or maximum ceiling award amount, cite code DO in MEA04 -C00101, the minimum amount in MEA05 or the maximum amount in MEA06. To specify minimum guarantee award amount percentage, cite code DO in MEA04-C00101, code P1 in MEA04-C00104, and the minimum amount percentage in MEA05. To specify minimum guarantee award quantity percentage, cite code EA in MEA04-C00101, code P1 in MEA04-C00104, and the minimum quantity percentage in MEA05.

MEA03	**739**	**Measurement Value**	**X**	**R 1/20**

The value of the measurement

MEA04	**C001**	**Composite Unit of Measure**	**X**

To identify a composite unit of measure (See Figures Appendix for examples of use)

1. This composite unit of measure can be used to indicate the maximum that may be ordered during a specified period of time under a basic type award instrument and to specify the minimum guaranteed award amount/quantity percentage.

2. For example: If the maximum that can be ordered per quarter is 10,000 each, then MEA01 would cite code OL, MEA02 would cite MX, MEA03 would cite 10,000, MEA04-C00101 would cite EA, and MEA04 -C00104 would cite Q1.

3. To specify the minimum guarantee award amount/quantity percentage, cite code ZZZ in MEA02, either code DO or EA in MEA04 -C00101 and code P1 in MEA04-C00104.

M	C00101	355	Unit or Basis for Measurement Code	M ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

1. Use any code other than code ZZ. Use the listed codes in accordance with the code notes.

IE   Person
Use in conjunction with MEA01 code CS, to indicate the SIC or NAICS size standard in terms of number of employees.

R5   Thousands of Dollars
Use in conjunction with MEA01 code CS, to indicate the SIC or NAICS size standard in terms of dollar amount of sales.

R6   Millions of Dollars
Use in conjunction with MEA01 code CS, to indicate the SIC or NAICS size standard in terms of dollar amount of sales.

2. When MEA01 is code QV, the code cited in MEA04-C00101 MUST be code P1 or the same code cited in PO103 of the 2/PO1/010 segment.

3. Use codes DA, LL, MO, and YR in conjunction with MEA01 code WR.

4. An application program conversion table may be required to convert agency codes to ASC X12 codes.

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	C00102	1018	Exponent	O R 1/15

Power to which a unit is raised

Not Used	C00103	649	Multiplier	O R 1/10

Value to be used as a multiplier to obtain a new value

	C00104	355	Unit or Basis for Measurement Code	O ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

1. Use any code other than code ZZ.

			2. An application program conversion table may be required to convert agency codes to ASC X12 codes.		

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	C00105	1018	**Exponent**	O	R 1/15

Power to which a unit is raised

Not Used	C00106	649	**Multiplier**	O	R 1/10

Value to be used as a multiplier to obtain a new value

Not Used	C00107	355	**Unit or Basis for Measurement Code**	O	ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Not Used	C00108	1018	**Exponent**	O	R 1/15

Power to which a unit is raised

Not Used	C00109	649	**Multiplier**	O	R 1/10

Value to be used as a multiplier to obtain a new value

Not Used	C00110	355	**Unit or Basis for Measurement Code**	O	ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Not Used	C00111	1018	**Exponent**	O	R 1/15

Power to which a unit is raised

Not Used	C00112	649	**Multiplier**	O	R 1/10

Value to be used as a multiplier to obtain a new value

Not Used	C00113	355	**Unit or Basis for Measurement Code**	O	ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Not Used	C00114	1018	**Exponent**	O	R 1/15

Power to which a unit is raised

Not Used	C00115	649	**Multiplier**	O	R 1/10

Value to be used as a multiplier to obtain a new value

	MEA05	740	**Range Minimum**	X	R 1/20

The value specifying the minimum of the measurement range

1. When MEA01 is code QV, use to specify the variation in quantity under.

2. When MEA01 is code BT, LT, or PM, use to specify the minimum amount or quantity.

3. When MEA02 is RY, use to specify the Government share.

4. When MEA02 is code ZZZ, MEA04-C00101 is code EA and MEA04 -C00104 is code P1, use to specify the minimum guarantee award quantity percentage.

5. When MEA02 is code ZZZ and MEA04-C00101 is code EA, use to

specify the minimum guarantee award quantity.

6. When MEA02 is code ZZZ, MEA04-C00101 is code DO and MEA04 -C00104 is code P1, use to specify the minimum guarantee award amount percentage.

7. When MEA02 is code ZZZ and MEA04-C00101 is code DO, use to specify the minimum guarantee award amount.

8. Percents will be cited as follows: 4.25% will be cited as 4.25; 3% will be cited as 3 (note: leading and trailing zeros are suppressed).

	MEA06	741	Range Maximum	X	R 1/20

The value specifying the maximum of the measurement range

1. When MEA01 is code QV, use to specify the variation in quantity over.

2. When MEA01 is code BT, LT, or PM, use to specify the maximum amount or quantity.

3. When MEA02 is RY, use to specify the contractor share.

4. When MEA02 is code ZZZ and MEA04-C00101 is code EA, use to specify the maximum ceiling award quantity.

5. When MEA02 is code ZZZ and MEA04-C00101 is code DO, use to specify the maximum ceiling award amount.

6. Percents will be cited as follows: 4.25% will be cited as 4.25; 3% will be cited as 3 (note: leading and trailing zeros are suppressed).

Not Used	MEA07	935	Measurement Significance Code	O	ID 2/2

Code used to benchmark, qualify or further define a measurement value

Not Used	MEA08	936	Measurement Attribute Code	X	ID 2/2

Code used to express an attribute response when a numeric measurement value cannot be determined

Not Used	MEA09	752	Surface/Layer/Position Code	O	ID 2/2

Code indicating the product surface, layer or position that is being described

Not Used	MEA10	1373	Measurement Method or Device	O	ID 2/4

The method or device used to record the measurement

Segment:	**PID** Product/Item Description		
Position:	050		
Loop:	PID Optional		
Level:	Detail		
Usage:	Optional		
Max Use:	1		
Purpose:	To describe a product or process in coded or free-form format		

Syntax Notes:
1. If PID04 is present, then PID03 is required.
2. At least one of PID04 or PID05 is required.
3. If PID07 is present, then PID03 is required.
4. If PID08 is present, then PID04 is required.
5. If PID09 is present, then PID05 is required.

Semantic Notes:
1. Use PID03 to indicate the organization that publishes the code list being referred to.
2. PID04 should be used for industry-specific product description codes.
3. PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4. PID09 is used to identify the language being used in PID05.

Comments:
1. If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
2. Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3. PID07 specifies the individual code list of the agency specified in PID03.

Notes: *Use this segment to provide information applicable to a specific line item. Use the 1/PID/190 segment when the information applies to all of the line items.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	PID01	349	**Item Description Type**	M ID 1/1

Code indicating the format of a description

F		Free-form
S		Structured (From Industry Code List)
X		Semi-structured (Code and Text)

	Ref. Des.	Data Element	Name	Attributes
	PID02	750	**Product/Process Characteristic Code**	O ID 2/3

Code identifying the general class of a product or process characteristic

Use any code other than codes 32 or OC.

	Ref. Des.	Data Element	Name	Attributes
	PID03	559	**Agency Qualifier Code**	X ID 2/2

Code identifying the agency assigning the code values

Use in conjunction with PID04.

EP		United States Environmental Protection Agency (EPA)
FG		Federal Government
		When this code is used, the code contained in

PID04 comes from the Federal EDI Coding Manual, Federal Procurement Code List One (FP1). This code list can be found at http://fedebiz.disa.mil, under Related Documents, Federal EDI Coding Manual.

| | **PID04** | **751** | **Product Description Code** | **X** | **AN 1/12** |

A code from an industry code list which provides specific data about a product characteristic

When PID03 is code FG, cite one of the following codes from FP1 of the Federal EDI Coding Manual in this data element:

MAF   First Article
MFD   Incremental Funding Item
MMY   Multiyear Contract Action/Item
MPL   Production Lot Test Unit
MPN   Option Item
MPS   Pre-Production Sample
MPV   Provisioned Item

| | **PID05** | **352** | **Description** | **X** | **AN 1/80** |

A free-form description to clarify the related data elements and their content

Use of free form text is discouraged if the information can be provided by means of codes or data values within the transaction set.

| **Not Used** | **PID06** | **752** | **Surface/Layer/Position Code** | **O** | **ID 2/2** |

Code indicating the product surface, layer or position that is being described

| **Not Used** | **PID07** | **822** | **Source Subqualifier** | **O** | **AN 1/15** |

A reference that indicates the table or text maintained by the Source Qualifier

| **Not Used** | **PID08** | **1073** | **Yes/No Condition or Response Code** | **O** | **ID 1/1** |

Code indicating a Yes or No condition or response

| **Not Used** | **PID09** | **819** | **Language Code** | **O** | **ID 2/3** |

Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)

Segment:	**PWK** Paperwork	
Position:	070	
Loop:	PO1 Mandatory	
Level:	Detail	
Usage:	Optional	
Max Use:	25	
Purpose:	To identify the type or transmission or both of paperwork or supporting information	
Syntax Notes:	1 If either PWK05 or PWK06 is present, then the other is required.	
Semantic Notes:		
Comments:	1 PWK05 and PWK06 may be used to identify the addressee by a code number.	
	2 PWK07 may be used to indicate special information to be shown on the specified report.	
	3 PWK08 may be used to indicate action pertaining to a report.	
Notes:	*1. Use this segment to provide paperwork information that applies to a specific line item, Use the 1/PWK/210 segment to specify paperwork that is applicable to all of the line items.*	
	2. Use this segment to identify paperwork required to be provided by the offeror in response to the solicitation, or paperwork that will be required under the resultant procurement instrument, or paperwork being provided as part of the solicitation and, if necessary, how that paperwork will be transmitted.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	PWK01	755	**Report Type Code**	M ID 2/2

Code indicating the title or contents of a document, report or supporting item

Use to identify the type of paperwork that must be provided by the offeror or is being provided by the buying party.

25	Purchase Plan	

Use in conjunction with PWK08-1, code 5, to indicate a make or buy plan.

35	Subcontractor Plan	

Use in conjunction with PWK08-1, code 5.

AE	Attachment	

Use in conjunction with PWK07 and PWK08-1, code PV, to indicate some additional document, e.g., list of government furnished property, applicable to the solicitation is being sent by means other than within the transaction set.

C1	Cost Data Summary	

Use in conjunction with PWK08-1, code 5, to indicate non-certified cost and price data.

C5	Certified Cost and Price Data	
	Use in conjunction with PWK08-1, code 5.	
C6	Wage Determination	
	Use in conjunction with the 2/REF/100 segment, REF01 code 2Y, and PWK08-1, code 5, to indicate a Department of Labor Wage Determination.	
CP	Certificate of Compliance (Material Certification)	
	Use in conjunction with PWK08-1, code 2, to indicate a Certificate of Conformance.	
CX	Cost/Schedule Status Report (C/SSR)	
CY	Contract Funds Status Report (CFSR)	
DW	Drawing(s)	
	Use in conjunction with PWK08-1, code PV.	
F1	Cost Performance Report (CPR) Format 1	
F2	Cost Performance Report (CPR) Format 2	
F3	Cost Performance Report (CPR) Format 3	
F4	Cost Performance Report (CPR) Format 4	
F5	Cost Performance Report (CPR) Format 5	
IT	Certified Inspection and Test Results	
	Use in conjunction with PWK08-1, code 2.	
KA	Contract Data Requirements List (CDRL)	
	Use in conjunction with PWK08-1, code PV, to indicate that attachments applicable to a Contract Data Requirements List (CDRL) will be provided.	
MR	Material Inspection and Receiving Report	
	Use in conjunction with PWK08-1, code 2.	
MS	Material Safety Data Sheet	
	Use in conjunction with PWK08-1, code 5.	
PD	Proof of Delivery	
	Use in conjunction with PWK08-1, code 2.	
PJ	Purchasing Specification	
	Use in conjunction with PWK08-1, code PV, to indicate a Statement of Work (SOW).	
PM	Proof of Insurance	
	Use in conjunction with PWK08-1, code 5.	
SD	Support Data for a Request for Quote	
	Use in conjunction with PWK08-1, code PV, to indicate that supporting technical documentation, e.g., engineering data list, bill of materials, etc., are being provided by the buying party.	
SN	Shipping Notice	

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> *Use in conjunction with PWK08-1, code 2.*

	SP	Specification

> *Use in conjunction with PWK08-1, code PV.*

	TO	Demand Report

> *Use in conjunction with PWK08-1, code 2, to indicate a Contract Data Requirement List (CDRL) deliverable.*

	UA	Union Agreement

> *Use in conjunction with PWK08-1, code 5.*

	US	"BUY AMERICA" Certification of Compliance

> *Use in conjunction with PWK08-1, code 5.*

PWK02   756   Report Transmission Code   O   ID 1/2

Code defining timing, transmission method or format by which reports are to be sent

> *While any listed code can be used, code EL is preferred when the indicated paperwork can be provided electronically using one of the transaction sets specifically designed for the purpose.*

	BM	By Mail

> *Use to indicate transmittal via the USPS.*

	CF	Courier

> *Use to indicate transmittal via commercial express courier.*

	DA	Data

> *Use in conjunction with PWK07, to indicate other forms of electronic transfer.*

	EL	Electronically Only

> *1. Use to indicate that data has been or should be sent by a separate EDI transaction set.*
>
> *2. If the data has been sent by a separate EDI transaction set, use in conjunction with the 2/REF/100 segment REF01 code TN to identify the unique number of the transaction set.*

	EM	E-Mail
	FT	File Transfer

> *When PWK08-01 is code PV, use to indicate an FTP site. Provide the FTP address in PWK07.*

	FX	By Fax
	IA	Electronic Image

> *Use, in conjunction with PWK08-01, code PV, to indicate the World Wide Web. When used, provide the Universal Resource Locator (URL) where*

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information is to be obtained in PWK07.

			WS	With Shipment (With Package)		

PWK03   **757**   **Report Copies Needed**   **O**   **N0 1/2**

The number of copies of a report that should be sent to the addressee

The number of copies is assumed to be 1 unless a greater number is specified in this data element.

PWK04   **98**   **Entity Identifier Code**   **O**   **ID 2/3**

Code identifying an organizational entity, a physical location, property or an individual

Use in conjunction with the same N101 code values in the 1/N1/310 or 2/N1/340 segment to identify the recipient of the paperwork. If there is more than one recipient for the same paperwork item, use multiple repetitions of the PWK segment with the same report code in PWK01. Optionally, provide the communications number of the recipient in either the 1/PER/360 or 2/PER/390 segment.

7D	Contracting Officer Representative
BY	Buying Party (Purchaser)

Use to indicate the Contracting Officer.

C4	Contract Administration Office
HMI	Material Safety Data Sheet (MSDS) Recipient

Use in conjunction with PWK01 code MS to indicate the Agency's Hazardous Material Information System (HMIS) central focal point to whom Material Safety Data Sheets are to be sent.

IS	Party to Receive Certified Inspection Report

Use when PWK01 is code IT or MR.

KF	Audit Office
KG	Project Manager

Use to indicate the government party responsible for a project including the Advisor under a Grant.

KY	Technical Office
PA	Party to Receive Inspection Report
PC	Party to Receive Cert. of Conformance (C.A.A.)
SM	Party to Receive Shipping Manifest
TS	Party to Receive Certified Test Results

Use in conjunction with PWK01 code IT.

ZD	Party to Receive Reports

Not Used   **PWK05**   **66**   **Identification Code Qualifier**   **X**   **ID 1/2**

Code designating the system/method of code structure used for Identification Code (67)

Not Used   **PWK06**   **67**   **Identification Code**   **X**   **AN 2/80**

Code identifying a party or other code

| | PWK07 | 352 | **Description** | **O** | **AN 1/80** |

A free-form description to clarify the related data elements and their content

1. Use only if necessary to provide additional information or instructions applicable to a specific paperwork item.

2. When PWK01 is code AE, use to identify the document.

3. When PWK02 is code DA, use to identify the other form of electronic transfer.

4. When PWK02 is code FT or IA, use to identify the URL.

5. Use of free form text is discouraged if the information can be provided by means of codes or data values within the transaction set.

| | PWK08 | C002 | **Actions Indicated** | **O** | |

Actions to be performed on the piece of paperwork identified

| **M** | **C00201** | 704 | **Paperwork/Report Action Code** | **M** | **ID 1/2** |

Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required

2 Report to be Filed

Use in conjunction with PWK01 codes CP, CX, CY F1, F2, F3, F4, F5, IT, MR, PD, SN, or TO, to indicate the specified paperwork will be required under the resultant award instrument.

5 Generate

Use in conjunction with PWK01 codes 25, 35, C1, C5, MS, PM, UA, or US, to indicate the specified paperwork must be provided in the response to this solicitation.

PV Provided

Use in conjunction with PWK01 codes AE, C6, DW, KA, PJ, SD, or SP, to indicate the specified paperwork will be provided by the buyer.

| **Not Used** | **C00202** | 704 | **Paperwork/Report Action Code** | **O** | **ID 1/2** |

Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required

| **Not Used** | **C00203** | 704 | **Paperwork/Report Action Code** | **O** | **ID 1/2** |

Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required

| **Not Used** | **C00204** | 704 | **Paperwork/Report Action Code** | **O** | **ID 1/2** |

Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required

Not Used   **C00205**   **704**   **Paperwork/Report Action Code**   **O**   **ID 1/2**

Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required

Not Used   **PWK09**   **1525**   **Request Category Code**   **O**   **ID 1/2**

Code indicating a type of request

Segment:	**PKG** Marking, Packaging, Loading
Position:	080
Loop:	PO1 Mandatory
Level:	Detail
Usage:	Optional
Max Use:	200
Purpose:	To describe marking, packaging, loading, and unloading requirements

Syntax Notes:
1. At least one of PKG04 PKG05 or PKG06 is required.
2. If PKG04 is present, then PKG03 is required.
3. If PKG05 is present, then PKG01 is required.

Semantic Notes:
1. PKG04 should be used for industry-specific packaging description codes.

Comments:
1. Use the MEA (Measurements) Segment to define dimensions, tolerances, weights, counts, physical restrictions, etc.
2. If PKG01 equals "F", then PKG05 is used. If PKG01 equals "S", then PKG04 is used. If PKG01 equals "X", then both PKG04 and PKG05 are used.
3. Use PKG03 to indicate the organization that publishes the code list being referred to.
4. Special marking or tagging data can be given in PKG05 (description).

Notes:
1. Use this segment when packaging requirements apply to specific line items. Use the 1/PKG/220 segment when the packaging requirements apply to all of the line items.

2. Packaging information such as the number of items in a unit container; the number of unit containers in an intermediate container; and the gross weight, cube and dimensions of a unit or intermediate container is carried in the 2/PO4/090 segment.

2. The use of MILSTD 2073-1C codes to identify packaging requirements for items in this award instrument are primarily for items that are expected to enter the military distribution system. Commercial packaging is expected to be used to the maximum extent possible for all other items.

3. Commercial packaging requirements are specified by citing PKG02 code PK, PKG03 code DF, and PKG04 code U.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
PKG01	**349**	**Item Description Type**	**X ID 1/1**
		Code indicating the format of a description	
		F Free-form	
		S Structured (From Industry Code List)	
		X Semi-structured (Code and Text)	
PKG02	**753**	**Packaging Characteristic Code**	**O ID 1/5**
		Code specifying the marking, packaging, loading and related characteristics being described	

Use the listed codes to identify the applicable packaging requirements.

CD	Cleaning or Drying Procedure
CT	Cushioning Thickness
CUD	Cushioning and Dunnage
IC	Intermediate Container
OPI	Optional Procedure Indicator
PK	Packing

To specify commercial packaging, cite code DF in PKG03 and code U in PKG04.

PM	Preservation Method
PML	Preservation Material
SMK	Special Marking
UC	Unit Container
UCL	Unit Container Level
WM	Wrapping Material

PKG03 559 **Agency Qualifier Code** X **ID 2/2**

Code identifying the agency assigning the code values

Use in conjunction with PKG04.

DF	Department of Defense (DoD)
GS	General Services Administration (GSA)
ZZ	Mutually Defined

Use in conjunction with PKG05 to indicate a federal activity other than DoD or GSA.

PKG04 754 **Packaging Description Code** X **AN 1/7**

A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product

1. When PKG03 is code DF, cite a code from X12 Code Source List 197 (MIL-STD 2073-1C).

2. Whenever a code is used in PKG04 requires an explanation or additional information, provide it in PKG05.

PKG05 352 **Description** X **AN 1/80**

A free-form description to clarify the related data elements and their content

1. Use to provide Supplemental Instructions or Special Packaging Instructions. If the information to be provided exceeds the maximum length of this data element, provide the information in the 2/N9/320 loop, using code K7 in N901.

2. When PKG03 is code ZZ, use to identify the federal activity who is assigning the packaging code values, and to identify the code source where the codes can be found.

3. Use of free form text is discouraged if the information can be provided by some other means within the transaction set.

PKG06 400 **Unit Load Option Code** **X ID 2/2**

Code identifying loading or unloading a shipment

01 Palletized

10 Shrink-wrap

Segment:	**PO4** Item Physical Details
Position:	090
Loop:	PO1 Mandatory
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify the physical qualities, packaging, weights, and dimensions relating to the item

Syntax Notes:	**1**	If either PO402 or PO403 is present, then the other is required.
	2	If PO405 is present, then PO406 is required.
	3	If either PO406 or PO407 is present, then the other is required.
	4	If either PO408 or PO409 is present, then the other is required.
	5	If PO410 is present, then PO413 is required.
	6	If PO411 is present, then PO413 is required.
	7	If PO412 is present, then PO413 is required.
	8	If PO413 is present, then at least one of PO410 PO411 or PO412 is required.
	9	If PO417 is present, then PO416 is required.
	10	If PO418 is present, then PO404 is required.

Semantic Notes:	**1**	PO415 is used to indicate the relative layer of this package or range of packages within the layers of packaging. Relative Position 1 (value R1) is the innermost package.
	2	PO416 is the package identifier or the beginning package identifier in a range of identifiers.
	3	PO417 is the ending package identifier in a range of identifiers.
	4	PO418 is the number of packages in this layer.

Comments:	**1**	PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the pack (PO401) /size (PO402) measure which indicates the quantity in the inner pack unit. For example: If the carton contains 24 12 -Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ".
	2	PO413 defines the unit of measure for PO410, PO411, and PO412.

Notes:	*1. Use this segment to specify the weight, cube, or dimensions of the unit or intermediate pack, or the unit pack quantity or intermediate container quantity. To specify the unit pack quantity, use PO401 and PO404 (code UNT). If there are 50 pairs in a unit container, PO401 would cite 50 and PO404 would cite code UNT.*
	2. If it is necessary to specify not only the quantity of items in a unit container, but also the size and unit of measure of those items, use PO401, PO402, PO403, and PO404. In this instance, if there are 24, 12 ounce bottles in the unit container, PO401 would cite 24, PO402 would cite 12, PO403 would cite code OZ and PO404 would cite code UNT. In either of these examples, the number of unit containers in an intermediate container would be carried in PO414. If only the quantity per intermediate container is required, use code INT in PO404 and cite the quantity in PO414.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
PO401	356	**Pack**	O N0 1/6

The number of inner containers, or number of eaches if there are no inner containers, per outer container

1. Use to identify the unit pack quantity. Cite the actual quantity or cite one of the following to identify a special condition applicable to the unit pack quantity.

2. Cite the number 777777 (as the equivalent of MIL-STD 2073-1C code BLK) to indicate a bulk quantity.

3. Cite the number 888888 (as the equivalent of MIL-STD 2073-1C code YYY) to indicate "Packager's option as long as all other requirements are met".

4. Cite the number 999999 (as the equivalent of MIL-STD 2073-1C code ZZZ) to indicate "Special requirements - refer to supplemental data, special instructions or drawings provided".

Ref. Des.	Data Element	Name	Attributes
PO402	357	**Size**	X R 1/8

Size of supplier units in pack

Use only to identify the size of the individual items within a unit container.

Ref. Des.	Data Element	Name	Attributes
PO403	355	**Unit or Basis for Measurement Code**	X ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

1. Use any code other than code ZZ.

2. An application program conversion table may be required to convert agency codes to ASC X12 codes.

Refer to 004010 Data Element Dictionary for acceptable code values.

Ref. Des.	Data Element	Name	Attributes
PO404	103	**Packaging Code**	X AN 3/5

Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required

INT	Intermediate Container
UNT	Unit

Ref. Des.	Data Element	Name	Attributes
PO405	187	**Weight Qualifier**	O ID 1/2

Code defining the type of weight

Use any code other than code Z.

Refer to 004010 Data Element Dictionary for acceptable code values.

Ref. Des.	Data Element	Name	Attributes
PO406	384	**Gross Weight per Pack**	X R 1/9

Numeric value of gross weight per pack

1. Use this data element to specify the weight of a container. The

weight shall be provided to 1 decimal place.

2. Use in conjunction with PO405.

| PO407 | 355 | **Unit or Basis for Measurement Code** | **X** | **ID 2/2** |

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

1. Use any code other than code ZZ.

2. An application program conversion table may be required to convert agency codes to ASC X12 codes.

Refer to 004010 Data Element Dictionary for acceptable code values.

| PO408 | 385 | **Gross Volume per Pack** | **X** | **R 1/9** |

Numeric value of gross volume per pack

Use to specify the cube of a container. The cube shall be provided to 3 decimal places.

| PO409 | 355 | **Unit or Basis for Measurement Code** | **X** | **ID 2/2** |

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

1. Use any code other than code ZZ.

2. An application program conversion table may be required to convert agency codes to ASC X12 codes.

Refer to 004010 Data Element Dictionary for acceptable code values.

| PO410 | 82 | **Length** | **X** | **R 1/8** |

Largest horizontal dimension of an object measured when the object is in the upright position

The length shall be specified to 1 decimal place.

| PO411 | 189 | **Width** | **X** | **R 1/8** |

Shorter measurement of the two horizontal dimensions measured with the object in the upright position

The width shall be specified to 1 decimal place.

| PO412 | 65 | **Height** | **X** | **R 1/8** |

Vertical dimension of an object measured when the object is in the upright position

Use to specify the depth of the container. The depth shall be specified to 1 decimal place.

| PO413 | 355 | **Unit or Basis for Measurement Code** | **X** | **ID 2/2** |

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

1. Use any code other than code ZZ.

2. An application program conversion table may be required to convert agency codes to ASC X12 codes.

Refer to 004010 Data Element Dictionary for acceptable code values.

PO414   **810**   **Inner Pack**   **O   N0 1/6**

The number of eaches per inner container

1. Use to specify the quantity of unit containers in an intermediate container. Cite the actual quantity or cite one of the following to identify a special condition applicable to the intermediate container.

2. Cite the number 666666 (as the equivalent of MIL-STD 2073-1C code AAA) to indicate "See Appendix B (B.5).

3. Cite the number 777777 (as the equivalent of MIL-STD 2073-1C code XXX) to indicate "See method of preservation".

4. Cite the number 888888 (as the equivalent of MIL-STD 2073-1C code YYY) to indicate "Packer's option as long as all other requirements are met".

5. Cite the number 999999 (as the equivalent of MIL-STD 2073-1C code ZZZ) to indicate "Special requirements - see specific drawing or instruction provided".

Not Used   **PO415**   **752**   **Surface/Layer/Position Code**   **O   ID 2/2**

Code indicating the product surface, layer or position that is being described

Not Used   **PO416**   **350**   **Assigned Identification**   **X   AN 1/20**

Alphanumeric characters assigned for differentiation within a transaction set

Not Used   **PO417**   **350**   **Assigned Identification**   **O   AN 1/20**

Alphanumeric characters assigned for differentiation within a transaction set

Not Used   **PO418**   **1470**   **Number**   **O   N0 1/9**

A generic number

Segment:	**REF** Reference Identification		
Position:	100		
Loop:	PO1	Mandatory	
Level:	Detail		
Usage:	Optional		
Max Use:	>1		
Purpose:	To specify identifying information		
Syntax Notes:	1	At least one of REF02 or REF03 is required.	
	2	If either C04003 or C04004 is present, then the other is required.	
	3	If either C04005 or C04006 is present, then the other is required.	
Semantic Notes:	1	REF04 contains data relating to the value cited in REF02.	
Comments:			
Notes:	*Use the 2/REF/100 segment to identify reference numbers that apply to a specific line item. Use the 1/REF/050 segment to identify reference numbers that apply to all of the line items.*		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	REF01	128	**Reference Identification Qualifier**	M ID 2/3

Code qualifying the Reference Identification

16	Military Interdepartmental Purchase Request (MIPR) Number	
2E	Foreign Military Sales Case Number	
	Use to indicate a Foreign Military Sale.	
2S	Catalog	
	Use to indicate the Catalog of Federal Domestic Assistance. This is where additional information regarding the program funding source for a grant can be found.	
2Y	Wage Determination	
	Use to indicate a Department of Labor Wage Determination number. Use if the Wage Determination is passed by reference only or to identify the Wage Determination passed by some other means identified in the PWK segment.	
73	Statement of Work (SOW)	
	Use to indicate the Statement of Work (SOW) number applicable to this line item. If a SOW is part of this solicitation, the PWK segment can be used to indicate how the SOW is being provided.	
82	Data Item Description (DID) Reference	
83	Extended (or Exhibit) Line Item Number (ELIN)	
97	Package Number	

	9G	Department of Defense Form 250 Requirement Code
		Use to indicate the inspection and acceptance requirements for a data item specified on the Contract Data Requirements List.
	CT	Contract Number
		Use to indicate an existing contractual instrument applicable to this solicitation.
	DG	Drawing Number
	EV	Receiver Identification Number
		Use to identify the requiring office, i.e., the technical office responsible for ensuring adequacy of the data required on a Contract Data Requirements List. Use an abbreviation of the activity, e.g., NICP, Navy Inventory Control Point.
	HF	Engineering Data List
	IJ	Standard Industry Classification (SIC) Code
		Use to indicate the Standard Industry Classification code applicable to a line item.
	IL	Internal Order Number
		Use to indicate the MILSTRIP/DLMS/FEDSTRIP document number.
	IQ	End Item
		Use to specify an end item to which the solicited item pertains.
	IX	Item Number
		Use to indicate a Federal Supply Schedule (FSS) special item number.
	K0	Approval Code
		Use to indicate the approval code on a Contract Data Requirements List.
	KL	Contract Reference
		For a Contract Data Requirements List data item, use to indicate the reference in the contract that generates the requirement for the data item (e.g., Statement of Work paragraph).
	KV	Distribution Statement Code
		Use to indicate the code on a Contract Data Requirements List that specifies the distribution statement a contractor is to mark on a data item.
	LT	Lot Number
	LX	Qualified Products List
		When IT801 is code QP, QM, or QB, use to

		indicate the Qualified Product List, Qualified Manufacturer List or Qualified Bidders List number.
	MU	Military Specification (MILSPEC) Number
	NI	Military Standard (MIL-STD) Number
	NJ	Technical Document Number
	NL	Technical Order Number
	P4	Project Code
		Use to indicate the project number applicable to the line item.
	PG	Product Group
		1. Use to indicate a North American Industrial Classification System (NAICS) code. When this code is used, the code cited in REF02 can be found at http://www.census.gov/epcd/www/naics.html. *2. The NAICS code MUST be 6 digits. If the NAICS code is less than 6 digits, add a trailing zero.*
	PH	Priority Rating
		Use to indicate the MILSTRIP/DLMS/FEDSTRIP priority rating.
	PID	Program Identification Number
	PL	Price List Number
		Use to indicate a Defense Supply Center Philadelphia Distribution and Pricing Agreement Number applicable to the line item.
	QC	Product Specification Document Number
	RQ	Purchase Requisition Number
		Use to indicate the Purchase Request (PR) number or Purchase Request Order Number (PRON). When citing a Purchase Request number, concatenate the line item number with the Purchase Request number if it is necessary to transmit both numbers.
	RS	Returnable Container Serial Number
	S3	Specification Number
		Use to indicate a specification number other than a Military Specification (MIL-SPEC). When used, cite the specification number in REF02 and identify the issuing activity in REF03.
	T4	Signal Code
	TG	Transportation Control Number (TCN)
	TN	Transaction Reference Number

1. Use to indicate the unique reference number of a related transaction set (e.g. an 841 transaction set carrying a related technical specification or drawing). Each transaction set has a unique number. In the case of the 841 transaction set, that number is carried in SPI02.

2. When used, cite the related transaction set's unique number in REF02 and cite the X12 transaction set designator of the related transaction set, e.g., 841, in REF03.

TP	Test Specification Number	
VQ	Related Contract Line Item Number	

Use to indicate a line item in the solicitation to which this line item pertains.

VW	Standard	

Use to indicate a standard other than a Military Standard (MIL-STD). When used, cite the standard number in REF02, e.g., ASTM D3951, and, if necessary, further identify the standard in REF03.

W1	Disposal Turn-In Document Number	
W2	Weapon System Number	

Use to indicate the Weapon System code.

W6	Federal Supply Schedule Number	
W8	Suffix	

Use to indicate the MILSTRIP requisition suffix number. This code can be used if there is ONLY one occurrence of the REF segment with code IL in REF01.

WF	Locally Assigned Control Number	
WL	Federal Supply Classification Code	
XE	Transportation Priority Number	
XY	Other Unlisted Type of Reference Number	

Use to indicate another type of reference number. When used, identify the nature of the number in REF03.

REF02	**127**	**Reference Identification**	**X**	**AN 1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

If the document has a revision or an extension, the document number and the revision or extension number should be concatenated and cited in this data element.

REF03	**352**	**Description**	**X**	**AN 1/80**

A free-form description to clarify the related data elements and their content

1. Use to carry additional information related to a reference number cited in REF02.

2. Use of free form text is discouraged if the information can be provided by some other means within the transaction set.

Not Used	REF04	C040	**Reference Identifier**		**O**	

To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier

Not Used	C04001	128	**Reference Identification Qualifier**	**M**	**ID 2/3**

Code qualifying the Reference Identification

Not Used	C04002	127	**Reference Identification**	**M**	**AN 1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Not Used	C04003	128	**Reference Identification Qualifier**	**X**	**ID 2/3**

Code qualifying the Reference Identification

Not Used	C04004	127	**Reference Identification**	**X**	**AN 1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Not Used	C04005	128	**Reference Identification Qualifier**	**X**	**ID 2/3**

Code qualifying the Reference Identification

Not Used	C04006	127	**Reference Identification**	**X**	**AN 1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Segment:	**PER** Administrative Communications Contact	
Position:	110	
Loop:	PO1 Mandatory	
Level:	Detail	
Usage:	Optional	
Max Use:	3	
Purpose:	To identify a person or office to whom administrative communications should be directed	
Syntax Notes:	1 If either PER03 or PER04 is present, then the other is required.	
	2 If either PER05 or PER06 is present, then the other is required.	
	3 If either PER07 or PER08 is present, then the other is required.	
Semantic Notes:		
Comments:		
Notes:	*Use this segment to provide names and communication numbers for points of contact applicable to a line item and which are not associated with an address.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	PER01	366	**Contact Function Code**	M ID 2/2

Code identifying the major duty or responsibility of the person or group named

AU	Report Authorizer	

Use in conjunction with the 2/P01/010 segment, PO106 code EF, to indicate the approver of a Contract Data Requirements List.

BD	Buyer Name or Department	

Use to indicate the Grants Management Specialist.

PI	Preparer	

Use in conjunction with the 2/P01/010 segment, PO106 code EF, to indicate the preparer of a Contract Data Requirements List.

	Ref. Des.	Data Element	Name	Attributes
	PER02	93	**Name**	O AN 1/60

Free-form name

Use to identify the name of a point of contact. Last name, followed by first name, is preferred. If the whole name is longer than 35 characters, the use of initials for the first name is recommended. PER09 may be used to cite the party's title or office symbol.

	Ref. Des.	Data Element	Name	Attributes
	PER03	365	**Communication Number Qualifier**	X ID 2/2

Code identifying the type of communication number

AU	Defense Switched Network	
EM	Electronic Mail	
FX	Facsimile	
IT	International Telephone	

Include the country code.

TE   Telephone

Use to indicate the commercial telephone number of the individual cited in PER02. Include the area code.

PER04	364	**Communication Number**	**X AN 1/80**

Complete communications number including country or area code when applicable

All numbers, other than those associated with code EM, shall be transmitted as a continuous number with no extraneous characters. If an extension applies to the telephone number, concatenate the letter X plus the extension at the end of the number, e.g., 17035551212X123.

PER05	365	**Communication Number Qualifier**	**X ID 2/2**

Code identifying the type of communication number

Use to identify a second communications number for the party cited in PER02. For example, if PER03/04 cites a telephone number, PER05/06 can be used to cite a FAX number.

AU   Defense Switched Network

EM   Electronic Mail

FX   Facsimile

IT   International Telephone

Include the country code.

TE   Telephone

Use to indicate the commercial telephone number of the individual cited in PER02. Include the area code.

PER06	364	**Communication Number**	**X AN 1/80**

Complete communications number including country or area code when applicable

All numbers, other than those associated with code EM, shall be transmitted as a continuous number with no extraneous characters. If an extension applies to the telephone number, concatenate the letter X plus the extension at the end of the number, e.g., 17035551212X123.

PER07	365	**Communication Number Qualifier**	**X ID 2/2**

Code identifying the type of communication number

Use to identify a third communications number for the party cited in PER02.

AU   Defense Switched Network

EM   Electronic Mail

FX   Facsimile

IT   International Telephone

Include the country code.

		TE	Telephone

Use to indicate the commercial telephone number of the individual cited in PER02. Include the area code.

PER08   **364**   **Communication Number**   **X   AN 1/80**

Complete communications number including country or area code when applicable

All numbers, other than those associated with code EM, shall be transmitted as a continuous number with no extraneous characters. If an extension applies to the telephone number, concatenate the letter X plus the extension at the end of the number, e.g., 17035551212X123.

PER09   **443**   **Contact Inquiry Reference**   **O   AN 1/20**

Additional reference number or description to clarify a contact number

Use, if necessary, to provide the office symbol or title of the party cited in PER02.

Segment:	**SAC** Service, Promotion, Allowance, or Charge Information	
Position:	130	
Loop:	PO1　　Mandatory	
Level:	Detail	
Usage:	Optional	
Max Use:	25	

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Syntax Notes:
1. At least one of SAC02 or SAC03 is required.
2. If either SAC03 or SAC04 is present, then the other is required.
3. If either SAC06 or SAC07 is present, then the other is required.
4. If either SAC09 or SAC10 is present, then the other is required.
5. If SAC11 is present, then SAC10 is required.
6. If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7. If SAC14 is present, then SAC13 is required.
8. If SAC16 is present, then SAC15 is required.

Semantic Notes:
1. If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
3. SAC08 is the allowance or charge rate per unit.
4. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
   SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
5. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
6. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
7. SAC16 is used to identify the language being used in SAC15.

Comments:
1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Notes: *1. Use this segment to solicit services, discounts, or potential charges (e.g., taxes) and if applicable, quantities applicable to a specific line item. If the services, discounts, or potential charges apply to all of the line items, use the 1/SAC/120 segment.*

2. Offerors will respond in the quote with amounts and, if applicable, quantities, that apply to the services, discounts, or charges identified in this segment.

Data Element Summary

Ref.　　　Data

	Des.	**Element**	**Name**	**Attributes**
M	SAC01	248	**Allowance or Charge Indicator**	M ID 1/1

Code which indicates an allowance or charge for the service specified

R   Allowance Request

Use to comply with the mandatory nature of this data element when soliciting a service, discount, or potential non-CLIN charges in SAC02 for which the bidder is to provide an amount in the offer.

		SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	X ID 4/4

Code identifying the service, promotion, allowance, or charge

Any code may be used. The following is a list of preferred codes:

A310   Air Express Charge
A320   Air Transportation Charge
A480   Assembly
B180   Cleaning Charge
B870   Customs Charge
B940   Cutting Charge
C000   Defective Allowance
C240   Disconnect Charge
C260   Discount - Incentive
Use to indicate a discount when payment is made using the government credit card.

C300   Discount - Special
Use to indicate an incremental quantity discount. An incremental quantity discount applies only to the quantity units within its specified range. Successive incremental discounts are applied against a total order quantity. For example, if different discounts are given for quantities, 1 - 10, 11 - 20, 21 - 30, etc., use of this code implies that for a quantity of 25, the first discount applies to the first 10 units, the second discount applies to the next 10 units and the third discount applies to the last 5 units. This is contrast to the F910 step ladder discount that applies a single discount to the total line item quantity.

C310   Discount
Use to indicate a general discount not related to a quantity or purchase amount. Offerors should not include any general discount within the C300 or F910 discount considerations.

C330   Distribution Fee
C370   Diversion Charge
C580   Emergency Service
C590   Emergency Surcharge
C830   Expanded Service
Use to indicate the cost for service beyond the basic area.

C880   Expediting Premium
D170   Free Goods
Use to indicate a quantity provided at no cost if a specified quantity or monetary value is purchased, e.g., buy $100.00 and get 1 free; or buy 10, get 1 free.

D290   Full Truckload Allowance
D340   Goods and Services Charge
D440   Groupage Discount
Use to indicate a discount applicable to a line item total purchase amount meeting or exceeding a specified threshold or range.

D500   Handling
D530   Hazardous Cargo Charge
D660   Hook-up Charge
D820   Inside Delivery
D870   Inspection
D890   Installation and Training
D900   Installation
E340   Less Than Truckload (LTL) Charge
Use to indicate a charge for less than a full carload or truckload.

E400   Loading (Labor Charges)
E930   One-Day Service
F150   Packaging Service
F460   Postage
F560   Premium Transportation
F830   Proof of Delivery
Use to indicate a charge for preparation of a DD Form 250.

F910   Quantity Discount
Use to indicate a step ladder discount applicable to a quantity range. The discount specified for the quantity range containing the total line item quantity is the discount to be applied to the unit price. This is contrast to the C300 incremental discount that applies to that portion of the total line item quantity within each increment.

G030   Reconnect Charge
G350   Rents and Leases
G470   Restocking Charge
G530   Rework
G580   Royalties
G600   Same-Day Service
G610   Saturday Delivery
G660   Scrap Allowance
G740   Service Charge
Use to indicate a basic charge for a service call.

G760   Set-up
G870   Shrink Wrap Charge
H000   Special Allowance
H030   Special Credit
Use to indicate the portion of a lease amount that is credited toward the
purchase price on a lease with option to purchase (LWOP).

H110   Special Packaging
H170   Special Tooling Charge
H430   Storage
H540   Supplemental Items
Use to indicate Contractor Acquired Parts (CAPS).

H550   Surcharge
H680   Tax - Governmental
Use to indicate that the offeror is required to identify the taxes
applicable to the total line item amount that are not included in the line
item unit price. The offeror is to specify the tax type in the 1/SAC/120
segment of the 843 transaction set by use of the appropriate code in
SAC02. Codes H680 and H850 may not be used by the offeror for this
purpose.

H850   Tax
Use to indicate that the offeror is required to identify total taxes
applicable to the total line item amount that are included in the line
item unit price. The offeror will use code H850 in SAC02 of the 843
transaction set to identify these total taxes.

H990   Testing Services Charge
I260   Transportation Direct Billing
I330   Two-Day Service
I380   Unloading (Labor Charges)
I590   Warranties
ZZZZ   Mutually Defined
Use to indicate a training charge.

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	SAC03	559	**Agency Qualifier Code**	X	ID 2/2
			Code identifying the agency assigning the code values		
Not Used	SAC04	1301	**Agency Service, Promotion, Allowance, or Charge Code**	X	AN 1/10
			Agency maintained code identifying the service, promotion, allowance, or charge		
Not Used	SAC05	610	**Amount**	O	N2 1/15
			Monetary amount		
Not Used	SAC06	378	**Allowance/Charge Percent Qualifier**	X	ID 1/1

Code indicating on what basis allowance or charge percent is calculated

| Not Used | SAC07 | 332 | **Percent** | **X** | **R 1/6** |

Percent expressed as a percent

| Not Used | SAC08 | 118 | **Rate** | **O** | **R 1/9** |

Rate expressed in the standard monetary denomination for the currency specified

| Not Used | SAC09 | 355 | **Unit or Basis for Measurement Code** | **X** | **ID 2/2** |

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

| Not Used | SAC10 | 380 | **Quantity** | **X** | **R 1/15** |

Numeric value of quantity

| Not Used | SAC11 | 380 | **Quantity** | **O** | **R 1/15** |

Numeric value of quantity

| Not Used | SAC12 | 331 | **Allowance or Charge Method of Handling Code** | **O** | **ID 2/2** |

Code indicating method of handling for an allowance or charge

| Not Used | SAC13 | 127 | **Reference Identification** | **X** | **AN 1/30** |

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

| Not Used | SAC14 | 770 | **Option Number** | **O** | **AN 1/20** |

A unique number identifying available promotion or allowance options when more than one is offered

| Not Used | SAC15 | 352 | **Description** | **X** | **AN 1/80** |

A free-form description to clarify the related data elements and their content

| Not Used | SAC16 | 819 | **Language Code** | **O** | **ID 2/3** |

Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)

Segment:	**CSH** Sales Requirements
Position:	142
Loop:	PO1 Mandatory
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify general conditions or requirements of the sale

Syntax Notes:
1. If CSH02 is present, then CSH03 is required.
2. If either CSH06 or CSH07 is present, then the other is required.
3. If either CSH09 or CSH10 is present, then the other is required.

Semantic Notes:
1. CSH03 is the maximum monetary amount value which the order must not exceed.
2. CSH04 is the account number to which the purchase amount is charged.
3. CSH05 is the date specified by the sender to be shown on the invoice.
4. CSH06 identifies the source of the code value in CSH07.

Comments:

Notes: *Use this segment to specify requirements that apply to a specific line item. When the requirements apply to all of the line items, use the 1/CSH/110 segment.*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
CSH01	563	**Sales Requirement Code**	O ID 1/2

Code to identify a specific requirement or agreement of sale

BC	Restricted to Historically Black College or University or Minority Institution
C	Consignment

Use to indicate an Indian (Native American) preference.

EI	Restricted to Educational Institutions
GS	Guaranteed Sale

Use in conjunction with CSH03 or in conjunction with CSH09 and CSH10 code 18, to indicate a performance bond will be required if an award is received.   Specify the lead time for submission of the bond in the 2/LDT/302 segment citing code AR in LDT01.

IP	Restricted to Industrial Preparedness Program Participants
IS	Substitute Item Allowed

1. Use in conjunction with CSH08, code X, to indicate substitute items, including "or equal" items.

2. The absence of this code indicates substitute

			items are not allowed.		
		P2	Ship As Soon As Possible		
			Use only with DTM01 or SCH05 code 996.		
		P4	Do Not Preship		
			Use only when DTM01 or SCH05 is code 064 or 106, or when LDT01 is code AY.		
		QB	On Qualified Bidders List		
			Use in conjunction with the 2/N9/320 segment, N901 code LX.		
		QM	On Qualified Manufacturers List		
			Use in conjunction with the 2/N9/320 segment, N901 code LX.		
		QP	Restricted to Qualified Products List (QPL) Products		
			Use in conjunction with the 2/N9/320 segment, N901 code LX.		
		SC	Ship Complete		
			Use to indicate partial shipments will not be accepted. The absence of this code indicates that partial quantities may be shipped.		
		SI	Ship In-Place		
		UC	Restricted to U.S. and Canadian Sources		
		UL	Other Unlisted Sales Condition		
			Use in conjunction with the 2/N9/320 segment, N901 code K7 and the 2/MSG/330 segment to indicate a sales condition that is not specified by a specific code.		
		UP	Unrestricted Procurement		
		WY	Warranty		
		YI	Restricted to Young Investigator Program		
		Z	Mutually Defined		
			Use in conjunction with CSH03 or in conjunction with CSH09 and CSH10 code 18, to indicate a payment bond will be required if an award is received. Specify the lead time for submission of the bond in the 2/LDT/302 segment citing code AR in LDT01.		
Not Used	CSH02	306	**Action Code**	O	ID 1/2
			Code indicating type of action		
	CSH03	610	**Amount**	X	N2 1/15
			Monetary amount		
			1. When CSH01 is code GS, use to identify the dollar amount of a performance bond.		

2. When CSH01 is code Z, use to identify the dollar amount of a payment bond.

Not Used	CSH04	508	Account Number	O	AN 1/35

Account number assigned

Not Used	CSH05	373	Date	O	DT 8/8

Date expressed as CCYYMMDD

	CSH06	559	Agency Qualifier Code	X	ID 2/2

Code identifying the agency assigning the code values

AX   ANSI Accredited Standards Committee, X12

	CSH07	560	Special Services Code	X	ID 2/10

Code identifying the special service

Use to identify a special delivery condition.

NC   Notify Consignee Before Delivery

> *Use in conjunction with the 2/PER/390 segment, PER01 code RE, to indicate that the resulting award instrument will require the contractor to notify the consignee or other shipping contact in order to schedule a shipment.*

	CSH08	566	Product/Service Substitution Code	O	ID 1/2

Code indicating product or service substitution conditions

A   No Quantity or Unit of Measure Change Allowed

X   Equivalent Item Substitution

> *Use in conjunction with CSH01 code IS, to indicate an "or equal" item.*

Y   Alternate Item Substitution Allowed

	CSH09	954	Percent	X	R 1/10

Percentage expressed as a decimal

Percents will be cited as follows: 4.25% will be cited as 4.25; 3% will be cited as 3 (note: leading and trailing zeros are suppressed).

	CSH10	1004	Percent Qualifier	X	ID 1/2

Code to qualify percent

18   Percent of Value

> *Use in conjunction with CSH01 code GS or Z to indicate the percentage of the award instrument value required for a performance or payment bond.*

Segment:	**FOB** F.O.B. Related Instructions		
Position:	180		
Loop:	PO1	Mandatory	
Level:	Detail		
Usage:	Optional		
Max Use:	>1		
Purpose:	To specify transportation instructions relating to shipment		

Segment: **FOB** F.O.B. Related Instructions

Position: 180

Loop: PO1   Mandatory

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify transportation instructions relating to shipment

Syntax Notes:
1   If FOB03 is present, then FOB02 is required.
2   If FOB04 is present, then FOB05 is required.
3   If FOB07 is present, then FOB06 is required.
4   If FOB08 is present, then FOB09 is required.

Semantic Notes:
1   FOB01 indicates which party will pay the carrier.
2   FOB02 is the code specifying transportation responsibility location.
3   FOB06 is the code specifying the title passage location.
4   FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

Comments:

Notes: *1. Use this segment to specify an FOB point and acceptance location for a specific line item. Use the 1/FOB/080 segment to specify an FOB point and acceptance location that applies to all the line items.*

2. This segment is not used when the offer is for construction or a service without deliverables.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	FOB01	146	**Shipment Method of Payment**	M ID 2/2

Code identifying payment terms for transportation charges

BP	Paid by Buyer	

Use to indicate a Government Bill of Lading (GBL) will be issued.

PE   Prepaid and Summary Bill

Use when transportation charges are to be prepaid by the seller, are not included in the unit price, and are to be invoiced periodically.

PP   Prepaid (by Seller)

Use to indicate that transportation charges are not included in the unit price but are prepaid and are to be added as a separate item on this instrument's invoice.

PS   Paid by Seller

Use to indicate transportation charges are included in the unit price.

FOB02	**309**	**Location Qualifier**		**X**	**ID 1/2**

Code identifying type of location

Use to identify the FOB point.

DE	Destination (Shipping)
FV	Free Alongside Vessel (Free On Board [F.O.B.] Point)
IT	Intermediate FOB Point

> *Use to indicate the FOB point is a freight forwarder. Provide the address in the 2/N1/340 loop, citing code IF in N101.*

KE	Port of Embarkation

> *Use to indicate that the FOB Point is an overseas port of embarkation, either aerial or water, for delivery of Government furnished completed end items. Provide the address in the 2/N1/340 loop, citing code KX in N101.*

KL	Port of Loading

> *Use to indicate that the FOB Point is a port of loading. Provide the address in the 2/N1/340 loop, citing code KX in N101.*

OA	Origin (After Loading on Equipment)

> *Use to indicate FOB Origin with transportation charges prepaid by the seller and added as a separate item to the invoice. See FAR clause 52.247-32.*

OR	Origin (Shipping Point)
TM	Terminal

> *Use in conjunction with FOB03 to indicate that the FOB point for delivery outside the continental United States is located at a transportation terminal and not at origin or destination. FAR clauses 52.247-38, 52.247-39, or a similar FAR clause may apply.*

W	Worldwide Geographic Location Code

> *Use to indicate the FOB point for deliveries within the continental United States is destination and the FOB point for deliveries outside the continental United States is origin.*

ZZ	Mutually Defined

> *Use to indicate an Other FOB point, i.e., neither at origin nor at destination. Provide the address in the 2/N1/340 loop, citing code KX in N101.*

FOB03	**352**	**Description**		**O**	**AN 1/80**

A free-form description to clarify the related data elements and their

content

Use in conjunction with FOB02 code TM, to identify the location of the FOB point. Cite the 5 position United Nations code for ports and other locations (UN/LOCODE) in accordance with the United Nations Location Code Manual.

Not Used	FOB04	334	**Transportation Terms Qualifier Code**	O	ID 2/2

Code identifying the source of the transportation terms

Not Used	FOB05	335	**Transportation Terms Code**	X	ID 3/3

Code identifying the trade terms which apply to the shipment transportation responsibility

	FOB06	309	**Location Qualifier**	X	ID 1/2

Code identifying type of location

Use to identify the acceptance point. This code also identifies the inspection location when it is the same as the acceptance point.

DE	Destination (Shipping)
OR	Origin (Shipping Point)
ZZ	Mutually Defined

1. Use to indicate the acceptance point is neither at origin nor at destination. When both the acceptance and inspection points are the same location but neither origin nor destination, use the 2/N1/340 loop, citing code 7M in N101.

2. When both the acceptance and inspection points are at different locations but neither are origin nor destination, use the 2/N1/340 loop to provide the acceptance point address, citing code KZ in N101 and the inspection point in another iteration of the N1 loop, citing code L1 in N101.

Not Used	FOB07	352	**Description**	O	AN 1/80

A free-form description to clarify the related data elements and their content

Not Used	FOB08	54	**Risk of Loss Code**	O	ID 2/2

Code specifying where responsibility for risk of loss passes

Not Used	FOB09	352	**Description**	X	AN 1/80

A free-form description to clarify the related data elements and their content

Segment:	**DTM** Date/Time Reference		
Position:	200		
Loop:	PO1	Mandatory	
Level:	Detail		
Usage:	Optional		
Max Use:	10		
Purpose:	To specify pertinent dates and times		
Syntax Notes:	1	At least one of DTM02 DTM03 or DTM05 is required.	
	2	If DTM04 is present, then DTM03 is required.	
	3	If either DTM05 or DTM06 is present, then the other is required.	
Semantic Notes:			
Comments:			
Notes:	*1. Use this segment to provide actual dates applicable to the line item. Use the 1/DTM/150 segment when the dates apply to all of the line items.*		
	2. Use this segment for delivery information when the required delivery can be specified as an actual date. If the delivery schedule is expressed as a set time period after the occurrence of some event, use the 2/LDT/302 loop or the 2/LDT/470 loop if the delivery schedule is applicable to a named entity.		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	DTM01	374	**Date/Time Qualifier**	M ID 3/3

Code specifying type of date or time, or both date and time

002	Delivery Requested	
	Use to indicate that delivery is being requested earlier than required by a basic award instrument.	
017	Estimated Delivery	
063	Do Not Deliver After	
	Use to indicate that deliveries cannot be made after a specified date and/or time.	
064	Do Not Deliver Before	
	Use to indicate that deliveries cannot be made before a specified date and/or time.	
077	Requested for Delivery (Week of)	
	When this code is used, cite the beginning day of the week.	
106	Required By	
	Use to indicate delivery is required exactly on the date specified.	
131	Item Contract Effective	
	Use in conjunction with DTM05 code RD8, to indicate the ordering period for a line item, e.g., a	

provisioned item. Specify the date range in DTM06.

174	Month Ending

Use to indicate delivery is required within the specified month. In DTM02, identify the month and cite the last calendar day of the month.

193	Period Start

1. Use to indicate the start of a period of performance or lease.

2. When this code is used, there must be another iteration of this segment citing code 194 in DTM01.

194	Period End

1. Use to indicate the end of a period of performance or lease.

2. When this code is used, there must be another iteration of this segment citing code 193 in DTM01.

275	Approved

Use to indicate the approval date of Contract Data Requirements List.

368	Submittal

When REF01 is code TN, use to indicate the date of a related transaction set.

375	Delivery Start

1. Use to indicate the start date/time for deliveries when the total quantity is to be delivered during a specified time period.

2. When this code is used, there must be another iteration of this segment citing code 376 in DTM01.

376	Delivery End

1. Use to indicate the end date/time for deliveries when the total quantity is to be delivered during a specified time period.

2. When this code is used, there must be another iteration of this segment citing code 375 in DTM01.

565	Date of Property Inspection

Use in conjunction with the 2/N1/340 segment, N101 code EL, to indicate the date and possibly the time of a site or property inspection.

600	As Of

Use to indicate the "as of" date for submission of

			data.	
		601	First Submission	
			Use to indicate the date of the first submission of a data item specified by a Contract Data Requirements List.	
		602	Subsequent Submission	
			Use to indicate the date(s) of a subsequent submission(s) of a data item specified by a Contract Data Requirements List.	
		641	Option	
			Use with DTM02 to indicate the last date for the exercise of an option or with DTM05/06 to indicate the period during which the option may be exercised.	
		937	Department of Labor Wage Determination Date	
			Use to indicate the date of a Department of Labor Wage Determination. If revisions or modifications are applicable to a Wage Determination, cite the date of the most recent revision or modification in DTM02.	
		947	Preparation	
			Use to indicate the preparation date of a Contract Data Requirements List.	
		996	Required Delivery	
			Use to indicate delivery is required on or before the specified date.	

	DTM02	**373**	**Date**	**X**	**DT 8/8**

Date expressed as CCYYMMDD

	DTM03	**337**	**Time**	**X**	**TM 4/8**

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

1. Use in conjunction with codes 063 and 064 when a time applies to the delivery.

2. Use in conjunction with DTM01 code 565 to identify the time for a site/property inspection.

3. Specify the time only in the HHMM format using the local time for that location.

Not Used	**DTM04**	**623**	**Time Code**	**O**	**ID 2/2**

Code identifying the time. In accordance with International Standards

Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

DTM05   **1250**   **Date Time Period Format Qualifier**   **X**   **ID 2/3**

Code indicating the date format, time format, or date and time format

Use to qualify the format for a range of dates or times.

     RD8   Range of Dates Expressed in Format CCYYMMDD -CCYYMMDD

     RTM   Range of Time Expressed in Format HHMM-HHMM

DTM06   **1251**   **Date Time Period**   **X**   **AN 1/35**

Expression of a date, a time, or range of dates, times or dates and times

When used to identify a time range for deliveries on a specified date, use code RTM in DTM06 to qualify a delivery time range, e.g., for March 30, 1994 between 1:00 PM and 4:00 PM local time. Use DTM01/02 to convey the March 30, 1994 date.

Segment:	**TD5** Carrier Details (Routing Sequence/Transit Time)	
Position:	250	
Loop:	PO1 Mandatory	
Level:	Detail	
Usage:	Optional	
Max Use:	12	
Purpose:	To specify the carrier and sequence of routing and provide transit time information	
Syntax Notes:	1 At least one of TD502 TD504 TD505 TD506 or TD512 is required.	
	2 If TD502 is present, then TD503 is required.	
	3 If TD507 is present, then TD508 is required.	
	4 If TD510 is present, then TD511 is required.	
	5 If TD513 is present, then TD512 is required.	
	6 If TD514 is present, then TD513 is required.	
	7 If TD515 is present, then TD512 is required.	
Semantic Notes:	1 TD515 is the country where the service is to be performed.	
Comments:	1 When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.	
Notes:	*Use this segment to identify the transportation method that is applicable to a specific line item. If the transportation method applies to all of the line items, use the 1/TD5/240 segment.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Not Used	TD501	133	**Routing Sequence Code**	**O ID 1/2**
			Code describing the relationship of a carrier to a specific shipment movement	
	TD502	66	**Identification Code Qualifier**	**X ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)	
			10 Department of Defense Activity Address Code (DODAAC)	
			Use in conjunction with TD504 code PL, to indicate the DoDAAC of the pipeline.	
	TD503	67	**Identification Code**	**X AN 2/80**
			Code identifying a party or other code	
			Use in conjunction with TD502.	
	TD504	91	**Transportation Method/Type Code**	**X ID 1/2**
			Code specifying the method or type of transportation for the shipment	
			1. Use any code other than code ZZ.	
			2. An application program conversion table may be required to convert agency codes to ASC X12 codes.	

			D Parcel Post *Use to indicate the US Postal Service and not a private carrier.*		

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	TD505	387	**Routing**	X	**AN 1/35**

Free-form description of the routing or requested routing for shipment, or the originating carrier's identity

Not Used	TD506	368	**Shipment/Order Status Code**	X	**ID 2/2**

Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction

Not Used	TD507	309	**Location Qualifier**	O	**ID 1/2**

Code identifying type of location

Not Used	TD508	310	**Location Identifier**	X	**AN 1/30**

Code which identifies a specific location

Not Used	TD509	731	**Transit Direction Code**	O	**ID 2/2**

The point of origin and point of direction

Not Used	TD510	732	**Transit Time Direction Qualifier**	O	**ID 2/2**

Code specifying the value of time used to measure the transit time

Not Used	TD511	733	**Transit Time**	X	**R 1/4**

The numeric amount of transit time

	TD512	284	**Service Level Code**	X	**ID 2/2**

Code indicating the level of transportation service or the billing service offered by the transportation carrier

Use any code other than code ZZ.

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	TD513	284	**Service Level Code**	X	**ID 2/2**

Code indicating the level of transportation service or the billing service offered by the transportation carrier

Not Used	TD514	284	**Service Level Code**	O	**ID 2/2**

Code indicating the level of transportation service or the billing service offered by the transportation carrier

Not Used	TD515	26	**Country Code**	O	**ID 2/3**

Code identifying the country

Segment:	**TD4** Carrier Details (Special Handling, or Hazardous Materials, or Both)	
Position:	270	
Loop:	PO1	Mandatory
Level:	Detail	
Usage:	Optional	
Max Use:	5	
Purpose:	To specify transportation special handling requirements, or hazardous materials information, or both	
Syntax Notes:	1	At least one of TD401 TD402 or TD404 is required.
	2	If TD402 is present, then TD403 is required.
Semantic Notes:	1	TD405 identifies if a Material Safety Data Sheet (MSDS) exists for this product. A "Y" indicates an MSDS exists for this product; an "N" indicates an MSDS does not exist for this product.
Comments:		
Notes:	*Use this segment to provide special handling or hazardous material information that applies to a specific line item. If the information applies to all of the line items, use the 1/TD4/260 segment.*	

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
TD401	**152**	**Special Handling Code**	**X ID 2/3**

Code specifying special transportation handling instructions

Any code, other than code ZZZ, may be used but the listed codes are preferred.

AMM   A.M. Delivery Requirement
DA   Dangerous
EP   Expedite
EX   Explosive Flammable Gas
FG   Flammable Gas
FL   Flammable
FP   Flammable Poison Gas
HM   Endorsed as Hazardous Material
LT   Less Than Full Carload
LTT   Less Than Truckload
NC   Notify Consignee Before Delivery
PG   Poisonous Gas
PMM   P.M. Delivery Requirement

Refer to 004010 Data Element Dictionary for acceptable code values.

TD402	**208**	**Hazardous Material Code Qualifier**	**X ID 1/1**

Code which qualifies the Hazardous Material Class Code (209)

Use any code.

Refer to 004010 Data Element Dictionary for acceptable code values.

TD403	**209**	**Hazardous Material Class Code**	**X AN 1/4**

Code specifying the kind of hazard for a material

Use in conjunction with TD402

Not Rec	**TD404**	**352**	**Description**	**X**	**AN 1/80**

A free-form description to clarify the related data elements and their content

Use of free form text is discouraged if the information can be provided by means of codes or data values within the transaction set.

Not Used	**TD405**	**1073**	**Yes/No Condition or Response Code**	**O**	**ID 1/1**

Code indicating a Yes or No condition or response

Segment:	**MAN** Marks and Numbers	
Position:	280	
Loop:	PO1	Mandatory
Level:	Detail	
Usage:	Optional	
Max Use:	10	
Purpose:	To indicate identifying marks and numbers for shipping containers	

Syntax Notes:	1	If either MAN04 or MAN05 is present, then the other is required.
	2	If MAN06 is present, then MAN05 is required.
Semantic Notes:	1	MAN01/MAN02 and MAN04/MAN05 may be used to identify two different marks and numbers assigned to the same physical container.
	2	When both MAN02 and MAN03 are used, MAN02 is the starting number of a sequential range and MAN03 is the ending number of that range.
	3	When both MAN05 and MAN06 are used, MAN05 is the starting number of a sequential range, and MAN06 is the ending number of that range.
Comments:	1	When MAN01 contains code "UC" (U.P.C. Shipping Container Code) and MAN05/MAN06 contain a range of ID numbers, MAN03 is not used. The reason for this is that the U.P.C. Shipping Container code is the same on every carton that is represented in the range in MAN05/MAN06.
	2	MAN03 and/or MAN06 are only used when sending a range(s) of ID numbers. When both MAN02/MAN03 and MAN05/MAN06 are used to send ranges of ID numbers, the integrity of the two ID numbers must be maintained.

Notes: *1. Use this segment to identify marks and numbers that apply to a specific line item. Use the 1/MAN/270 segment to identify marks and numbers that apply to all the line items.*

2. Use to identify such data as MILSTRIP/DLMS/FEDSTRIP number, Transportation Control number, Project Priority number, and consignee related codes.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	MAN01	88	**Marks and Numbers Qualifier**	M ID 1/2
			Code specifying the application or source of Marks and Numbers (87)	
			L Line Item Only	
M	MAN02	87	**Marks and Numbers**	M AN 1/48
			Marks and numbers used to identify a shipment or parts of a shipment	
	MAN03	87	**Marks and Numbers**	O AN 1/48
			Marks and numbers used to identify a shipment or parts of a shipment	
	MAN04	88	**Marks and Numbers Qualifier**	X ID 1/2
			Code specifying the application or source of Marks and Numbers (87)	
			L Line Item Only	
	MAN05	87	**Marks and Numbers**	X AN 1/48
			Marks and numbers used to identify a shipment or parts of a shipment	

MAN06   **87**   **Marks and Numbers**   **O**   **AN 1/48**

Marks and numbers used to identify a shipment or parts of a shipment

Segment:	**RRA** Required Response		
Position:	290		
Loop:	PO1	Mandatory	
Level:	Detail		
Usage:	Optional		
Max Use:	25		
Purpose:	To indicate information that is required to be included in the response		
Syntax Notes:			
Semantic Notes:	1	Use RRA02 only to specify applicable regulatory or contractual clause.	
Comments:			
Notes:	*Use this segment to indicate to prospective offerors that information, applicable to a specific line item, must be provided with their proposal, e.g., a certification, a representation or fill-in information. Use the 1/RRA/280 segment when the information offerors are to provide applies to all of the line items.*		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	RRA01	701	**Information Type**	M ID 2/2

Code specifying the information required in the response

14		As Indicated by the Cited Reference

Use to indicate the reference number that requires an offeror to provide a certification, representation or other information. This reference number will be a clause number or some unique reference number previously provided to offerors.

	Ref. Des.	Data Element	Name	Attributes
	RRA02	127	**Reference Identification**	O AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Segment:	**MSG** Message Text		
Position:	292		
Loop:	PO1	Mandatory	
Level:	Detail		
Usage:	Optional (Not Recommended)		
Max Use:	1000		
Purpose:	To provide a free-form format that allows the transmission of text information		
Syntax Notes:	1	If MSG03 is present, then MSG02 is required.	
Semantic Notes:	1	MSG03 is the number of lines to advance before printing.	
Comments:	1	MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.	
	2	If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.	
Notes:	*1. Use to provide any plain text information not associated with a lead time, a clause, or an address.*		
	2. Use of free form text is discouraged if the information can be provided by means of codes or data values within the transaction set.		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**MSG01**	**933**	**Free-Form Message Text**	**M**	**AN 1/264**
			Free-form message text		
Not Used	**MSG02**	**934**	**Printer Carriage Control Code**	**X**	**ID 2/2**
			A field to be used for the control of the line feed of the receiving printer		
Not Used	**MSG03**	**1470**	**Number**	**O**	**N0 1/9**
			A generic number		

	Segment:	**SPI** Specification Identifier
	Position:	293
	Loop:	PO1 Mandatory
	Level:	Detail
	Usage:	Optional
	Max Use:	>1
	Purpose:	To provide a description of the included specification or technical data items
	Syntax Notes:	1 If either SPI02 or SPI03 is present, then the other is required.
	Semantic Notes:	
	Comments:	
	Notes:	*Use this segment to identify those elements of the solicitation that are classified and to specify the level of classification.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	SPI01	786	**Security Level Code**	M ID 2/2

Code indicating the level of confidentiality assigned by the sender to the information following

Use to specify the level of Government security classification or commercial protection level assigned to the items identified in SPI02/03.

	92	Government Confidential
	93	Government Secret
	94	Government Top Secret

	SPI02	128	**Reference Identification Qualifier**	X ID 2/3

Code qualifying the Reference Identification

1. Use to identify items within the transaction set that are classified, e.g., FMS case number, drawing number, SOW, etc. Use SPI04 to further define the number or description of the item cited in SPI03, if necessary.

2. Use any code other than code ZZ.

Refer to 004010 Data Element Dictionary for acceptable code values.

	SPI03	127	**Reference Identification**	X AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

	SPI04	790	**Entity Title**	O AN 1/132

Title of the data entity

Use only if necessary to further define the item cited in SPI03.

Not Used	SPI05	791	**Entity Purpose**	O AN 1/80

The reason for the existence of the data item specified by the electronic data item independent of its presence in an EDI transaction

Not Used	SPI06	792	**Entity Status Code**	O ID 1/1

			Code indicating the current status of the data item specified by the electronic data item		
Not Used	SPI07	353	**Transaction Set Purpose Code**	O	**ID 2/2**
			Code identifying purpose of transaction set		
Not Used	SPI08	755	**Report Type Code**	O	**ID 2/2**
			Code indicating the title or contents of a document, report or supporting item		
Not Used	SPI09	786	**Security Level Code**	O	**ID 2/2**
			Code indicating the level of confidentiality assigned by the sender to the information following		
Not Used	SPI10	559	**Agency Qualifier Code**	O	**ID 2/2**
			Code identifying the agency assigning the code values		
Not Used	SPI11	822	**Source Subqualifier**	O	**AN 1/15**
			A reference that indicates the table or text maintained by the Source Qualifier		
Not Used	SPI12	554	**Assigned Number**	O	**N0 1/6**
			Number assigned for differentiation within a transaction set		
Not Used	SPI13	1322	**Certification Type Code**	O	**ID 1/1**
			Code indicating the type of certification		
Not Used	SPI14	1401	**Proposal Data Detail Identifier Code**	O	**ID 1/3**
			Code identifying the basis of a cited value in a proposal		
Not Used	SPI15	1005	**Hierarchical Structure Code**	O	**ID 4/4**
			Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set		

| | | **SCH** Line Item Schedule | | |

Segment: | **SCH** Line Item Schedule
Position: | 296
Loop: | SCH   Optional
Level: | Detail
Usage: | Optional
Max Use: | 1
Purpose: | To specify the data for scheduling a specific line-item
Syntax Notes: | 1   If SCH03 is present, then SCH04 is required.
| 2   If SCH08 is present, then at least one of SCH09 or SCH10 is required.
| 3   If SCH09 is present, then SCH08 is required.
| 4   If SCH10 is present, then SCH08 is required.
Semantic Notes: | 1   SCH12 is the schedule identification.
Comments: | 1   SCH05 specifies the interpretation to be used for SCH06 and SCH07.
Notes: | *Use this segment to identify a partial delivery when it can be specified as an actual date and there is only one ship-to addressee. If there is more than one entity receiving a partial shipment, use the 2/SCH/405 segment.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	SCH01	380	**Quantity**	M R 1/15
			Numeric value of quantity	
M	SCH02	355	**Unit or Basis for Measurement Code**	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			1. Use any code other than code ZZ.	
			2. An application program conversion table may be required to convert agency codes to ASC X12 codes.	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	SCH03	98	**Entity Identifier Code**	O ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
Not Used	SCH04	93	**Name**	X AN 1/60
			Free-form name	
M	SCH05	374	**Date/Time Qualifier**	M ID 3/3
			Code specifying type of date or time, or both date and time	

    002   Delivery Requested

              Use to indicate that delivery is requested earlier than required by a basic award instrument.

    017   Estimated Delivery

    063   Do Not Deliver After

              Use to indicate that deliveries cannot be made after a specified date and/or time.

			064	Do Not Deliver Before		

Use to indicate that deliveries cannot be made before a specified date and/or time.

| | | | 077 | Requested for Delivery (Week of) |

When this code is used, cite the beginning day of the week.

| | | | 106 | Required By |

Use to indicate delivery is required exactly on the date specified.

| | | | 174 | Month Ending |

Use to indicate delivery is required on the last day of the specified month.

| | | | 193 | Period Start |

1. Use to indicate the start of a period of performance or lease.

2. When this code is used, code 194 must be cited in SCH08.

| | | | 358 | Cycle Begin |

When this code is used, code 359 must be cited in SCH08.

| | | | 375 | Delivery Start |

1. Use to indicate the start date/time for deliveries when the total quantity is to be delivered during a specified time period.

2. When this code is used, code 376 must be cited in SCH08.

| | | | 996 | Required Delivery |

Use to indicate delivery is required on or before the specified date.

M	SCH06	373	**Date**		**M**	**DT 8/8**

Date expressed as CCYYMMDD

| | SCH07 | 337 | **Time** | | **O** | **TM 4/8** |

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Use, if applicable, to identify the time for a delivery. Specify time only in the HHMM format.

| | SCH08 | 374 | **Date/Time Qualifier** | | **X** | **ID 3/3** |

Code specifying type of date or time, or both date and time

			063	Do Not Deliver After		

Use to indicate that deliveries cannot be made after a specified date and/or time.

			194	Period End		

When this code is used, code 193 must be cited in SCH05.

			359	Cycle End		

When this code is used, code 358 must be cited in SCH05.

			376	Delivery End		

When this code is used, code 375 must be cited in SCH05.

	SCH09	**373**	**Date**	**X**	**DT 8/8**

Date expressed as CCYYMMDD

	SCH10	**337**	**Time**	**X**	**TM 4/8**

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Use, if applicable, to identify the time for a delivery. Specify time only in the HHMM format.

Not Used	**SCH11**	**326**	**Request Reference Number**	**O**	**AN 1/45**

Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number)

Not Used	**SCH12**	**350**	**Assigned Identification**	**O**	**AN 1/20**

Alphanumeric characters assigned for differentiation within a transaction set

Segment:	**LDT** Lead Time
Position:	302
Loop:	LDT Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify lead time for availability of products and services
Syntax Notes:	
Semantic Notes:	**1** LDT04 is the effective date of lead time information.
Comments:	**1** LDT02 is the quantity of unit of time periods.
Notes:	*1. Use this loop when the delivery schedule is expressed as a set time period after the occurrence of some event, and varies by line item. If the delivery schedule applies to all of the line items, use the 1/LDT/160 segment.*

2. If this segment is used, the 2/DTM/200 segment is not used to describe a delivery schedule.

3. The following are examples of how this LDT loop can be used to specify a delivery schedule:

Example 1: Deliver 50 each 180 days after date of order.

*LDT*AY*180*DA n/l*
*QTY*1J*50*EA n/l*

Example 2: Deliver the total quantity of 500 each as follows: 50 per month commencing 180 days after date of order.

*LDT*AY*180*DA n/l*
*QTY*1J*50*MO n/l*

Example 3: Deliver the total quantity of 20,500 each as follows: 2500 each per quarter commencing 90 days after date of order until half the order is completed, then 1000 each per month until the total order is complete.

*LDT*AY*90*DA n/l*
*QTY*1J*2500*Q1 n/l*
*QTY*1K*4*Q1 n/l*
*LDT*AM*1*MO n/l*
*QTY*1J*1000*MO n/l*
*QTY*1K*10*MO n/l*
*LDT*AK*1*MO n/l*
*QTY*1J*500*EA n/l*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes

| M | LDT01 | 345 | **Lead Time Code** | | **M   ID 2/2** |

Code indicating the time range

AD	From date of sample approval to first product shipment
AE	From date of PO receipt to shipment
AF	From date of PO receipt to delivery
AH	From Date of Receipt of First Article to First Article Approval
AI	From Date of a Specified Event to Delivery

Use in conjunction with the 2/MSG/304 segment, to identify a lead time for delivery that is based upon the specific event.

AJ	From Date of First Delivery to Date of Subsequent Delivery(ies)
AK	From Date Of Latest Delivery To Final Delivery
AM	From Date Of Previous Delivery To Date Of Subsequent Delivery
AR	From Date of Award to Government Receipt of Bond
AV	From Date of Award to Date of Latest Delivery
AW	From Date of Award to Date of Earliest Delivery
AX	From Date of Award to Date of Completion

Use to indicate the completion date, e.g., for a level of effort.

| AY | From Date of Award to Date of Delivery |
| AZ | From Date of Receipt of Item to Date of Approval of Item |

Use this code to indicate the lead time for the approval of an item or the acceptance of an item if different than specified in the Prompt Payment Act.

BC	From Date of Award to Commencement of Performance
BD	From Date of Award to Date of Option Exercise
BE	From Date of Option Exercise to Date of Completion
BG	From Date of a Specified Event to Date of Option Exercise

Use in conjunction with the 2/MSG/304 segment.

| M | LDT02 | 380 | **Quantity** | | **M   R 1/15** |

Numeric value of quantity

| M | LDT03 | 344 | **Unit of Time Period or Interval** | | **M   ID 2/2** |

Code indicating the time period or interval

CY	Calendar Year
DA	Calendar Days
DW	Work Days

840 (R1)

			KK	Maximum Calendar Days	
				Use to indicate a flexible time period, e.g., X number of days or less.	
			MO	Month	
			QY	Quarter of a Year	
			SA	Semiannual	
			WK	Weeks	
Not Used	**LDT04**	**373**	**Date**		**O DT 8/8**
			Date expressed as CCYYMMDD		

Segment:	**QTY** Quantity			
Position:	303			
Loop:	LDT	Optional		
Level:	Detail			
Usage:	Optional			
Max Use:	>1			
Purpose:	To specify quantity information			
Syntax Notes:	1	At least one of QTY02 or QTY04 is required.		
	2	Only one of QTY02 or QTY04 may be present.		
Semantic Notes:	1	QTY04 is used when the quantity is non-numeric.		
Comments:				

Notes: *1. Use this segment to specify the quantity of an item that is to be delivered in accordance with a delivery schedule. The deliverable quantity can be expressed as a discrete quantity or a quantity per time period, e.g., 1000 per month. To indicate a delivery rate per time period, cite in QTY02 the quantity to be delivered and cite in QTY03 the time period, e.g., days, weeks, months, quarters, years.*

2. Use also, to indicate the length of the delivery period, e.g., 4 quarters or the number of shipments.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	QTY01	673	**Quantity Qualifier**	M ID 2/2

Code specifying the type of quantity

1J	Due

Use to indicate the quantity to be delivered.

1K	Time Units

Use to indicate the length of the delivery period.

SA	Shipments

Use to indicate the number of shipments expected to complete the deliverable quantity.

	QTY02	380	**Quantity**	X R 1/15

Numeric value of quantity

1. When QTY01 is code 1J, cite the quantity to be delivered.

2. When QTY01 is code 1K, cite the length of the delivery period in this data element, e.g., 4, and in QTY03 identify the time measurement of the delivery period, e.g., months.

	QTY03	C001	**Composite Unit of Measure**	O

To identify a composite unit of measure (See Figures Appendix for examples of use)

M	C00101	355	**Unit or Basis for Measurement Code**	M ID 2/2

Code specifying the units in which a value is being expressed, or manner

in which a measurement has been taken

1. Use any code other than code ZZ.

2. An application program conversion table may be required to convert agency codes to ASC X12 codes.

DA Days
When QTY01 is code 1J, use to indicate frequency of delivery. When QTY01 is code 1K, use to indicate the length of the delivery period.

MO Months
When QTY01 is code 1J, use to indicate frequency of delivery. When QTY01 is code 1K, use to indicate the length of the delivery period.

Q1 Quarter (Time)
When QTY01 is code 1J, use to indicate frequency of delivery. When QTY01 is code 1K, use to indicate the length of the delivery period.

WK Week
When QTY01 is code 1J, use to indicate frequency of delivery. When QTY01 is code 1K, use to indicate the length of the delivery period.

YR Years
When QTY01 is code 1J, use to indicate frequency of delivery. When QTY01 is code 1K, use to indicate the length of the delivery period.

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	**C00102**	**1018**	**Exponent**	**O**	**R 1/15**
			Power to which a unit is raised		
Not Used	**C00103**	**649**	**Multiplier**	**O**	**R 1/10**
			Value to be used as a multiplier to obtain a new value		
Not Used	**C00104**	**355**	**Unit or Basis for Measurement Code**	**O**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	**C00105**	**1018**	**Exponent**	**O**	**R 1/15**
			Power to which a unit is raised		
Not Used	**C00106**	**649**	**Multiplier**	**O**	**R 1/10**
			Value to be used as a multiplier to obtain a new value		
Not Used	**C00107**	**355**	**Unit or Basis for Measurement Code**	**O**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	**C00108**	**1018**	**Exponent**	**O**	**R 1/15**
			Power to which a unit is raised		
Not Used	**C00109**	**649**	**Multiplier**	**O**	**R 1/10**
			Value to be used as a multiplier to obtain a new value		

| Not Used | C00110 | 355 | **Unit or Basis for Measurement Code** | **O** | **ID 2/2** |

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

| Not Used | C00111 | 1018 | **Exponent** | **O** | **R 1/15** |

Power to which a unit is raised

| Not Used | C00112 | 649 | **Multiplier** | **O** | **R 1/10** |

Value to be used as a multiplier to obtain a new value

| Not Used | C00113 | 355 | **Unit or Basis for Measurement Code** | **O** | **ID 2/2** |

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

| Not Used | C00114 | 1018 | **Exponent** | **O** | **R 1/15** |

Power to which a unit is raised

| Not Used | C00115 | 649 | **Multiplier** | **O** | **R 1/10** |

Value to be used as a multiplier to obtain a new value

| Not Used | QTY04 | 61 | **Free-Form Message** | **X** | **AN 1/30** |

Free-form information

Segment: **MSG** **Message Text**
Position: 304
Loop: LDT   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To provide a free-form format that allows the transmission of text information
Syntax Notes: 1   If MSG03 is present, then MSG02 is required.
Semantic Notes: 1   MSG03 is the number of lines to advance before printing.
Comments: 1   MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
2   If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.
Notes: *Use in conjunction with the 2/LDT/302 segment, LDT01 code AI or BG, to identify the specified event.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	MSG01	933	**Free-Form Message Text**	M	AN 1/264
			Free-form message text		
Not Used	MSG02	934	**Printer Carriage Control Code**	X	ID 2/2
			A field to be used for the control of the line feed of the receiving printer		
Not Used	MSG03	1470	**Number**	O	N0 1/9
			A generic number		

Segment:		**LM** Code Source Information		
Position:		305		
Loop:		LM Optional		
Level:		Detail		
Usage:		Optional		
Max Use:		1		
Purpose:		To transmit standard code list identification information		
Syntax Notes:				
Semantic Notes:				
Comments:		**1** LM02 identifies the applicable industry code list source information.		
Notes:		*Use this loop to provide codes from DoD 5010.12-M that identify the frequency of delivery for a CDRL data item.*		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**LM01**	**559**	**Agency Qualifier Code**	**M ID 2/2**
			Code identifying the agency assigning the code values	
			DF Department of Defense (DoD)	
Not Used	**LM02**	**822**	**Source Subqualifier**	**O AN 1/15**
			A reference that indicates the table or text maintained by the Source Qualifier	

Segment: **LQ** Industry Code
Position: 306
Loop: LM   Optional
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: Code to transmit standard industry codes
Syntax Notes: 1   If LQ01 is present, then LQ02 is required.
Semantic Notes:
Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
LQ01	1270	**Code List Qualifier Code**	O ID 1/3

Code identifying a specific industry code list

    FX   Frequency

Use to indicate the frequency of delivery code for a data item deliverable on a Contract Data Requirements List (DD Form 1423).

Ref. Des.	Data Element	Name	Attributes
LQ02	1271	**Industry Code**	X AN 1/30

Code indicating a code from a specific industry code list

Use a code from DoD 5010.12-M to identify the frequency of delivery for a CDRL data item.

Segment:	**N9** Reference Identification	
Position:	320	
Loop:	N9 Optional	
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To transmit identifying information as specified by the Reference Identification Qualifier	
Syntax Notes:	1	At least one of N902 or N903 is required.
	2	If N906 is present, then N905 is required.
	3	If either C04003 or C04004 is present, then the other is required.
	4	If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	1	N906 reflects the time zone which the time reflects.
	2	N907 contains data relating to the value cited in N902.
Comments:		
Notes:		

1. Use this loop to identify various clauses (e.g., FAR, DFARS, GSARS, VAARS, Agency, or other clauses), OMB Circular, special instructions, or other references that are applicable to a specific line item. If the information applies to all of the line items, use the 1/N9/290 loop.

2. When an Alternate section is applicable to a cited clause, the alpha/numeric Alternate identifier and the date MUST be cited in the following MSG segment.

3. When citing a clause in N902, the date of the clause MUST be cited in N904 and the title of the clause may be optionally cited in the following MSG segment.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N901**	**128**	**Reference Identification Qualifier**	**M ID 2/3**

Code qualifying the Reference Identification

5N		Citation of Statute

Use to indicate the legislative authorization citation under which a line item in the resulting instrument, e.g., a grant, will be awarded. Optionally cite the legislative program title in N903.

73		Statement of Work (SOW)

If a Statement of Work is part of the solicitation, the 2/PWK/070 segment can be used to identify how it is being provided.

ADA		Agency for International Development Acquisition Regulation (AIDAR)

Use in conjunction with N904 to indicate a clause from the cited regulation.

CJ		Clause Number

		1. Use to indicate a purchasing activity clause (i.e., a clause not found in FAR, DFARS, etc.). Identify the purchasing activity issuing the clause in N903.
		2. DO NOT use for a purchasing activity payment related clause. Use code H5 in that instance.
	DF	Defense Federal Acquisition Regulations (DFAR)
		If the DFARS clause has a Modification, Variation or Deviation, identify that condition in N903 and provide the full clause text in the following MSG segment.
	DHH	Department of Health and Human Services Acquisition Regulation (HHSAR)
		Use in conjunction with N904 to indicate a clause from the cited regulation.
	DOA	Department of Agriculture Acquisition Regulation (AGAR)
		Use in conjunction with N904 to indicate a clause from the cited regulation.
	DOC	Department of Commerce Acquisition Regulation (CAR)
		Use in conjunction with N904 to indicate a clause from the cited regulation.
	DOE	Department of Energy Acquisition Regulation (DEAR)
		Use in conjunction with N904 to indicate a clause from the cited regulation.
	DOI	Department of Interior Acquisition Regulation (DIAR)
		Use in conjunction with N904 to indicate a clause from the cited regulation.
	DOJ	Department of Justice Acquisition Regulation (JAR)
		Use in conjunction with N904 to indicate a clause from the cited regulation.
	DOL	Department of Labor Acquisition Regulation (DOLAR)
		Use in conjunction with N904 to indicate a clause from the cited regulation.
	DOS	Department of State Acquisition Regulation (DOSAR)
		Use in conjunction with N904 to indicate a clause from the cited regulation.
	DOT	Department of Transportation Acquisition Regulation (TAR)
		Use in conjunction with N904 to indicate a clause from the cited regulation.

DTS	Department of the Treasury Acquisition/Procurement Regulation (TAPR)	
	Use in conjunction with N904 to indicate a clause from the cited regulation.	
DX	Department/Agency Number	
	1. Use to indicate an Agency clause and identify the agency in N903.	
	2. DO NOT use for an Agency payment related clause. Use code H5 in that instance.	
EC	Circular	
	Use to indicate an Office of Management and Budget(OMB) circular number.	
EDA	Department of Education Acquisition Regulation (EDAR)	
	Use in conjunction with N904 to indicate a clause from the cited regulation.	
EPA	Environmental Protection Agency Acquisition Regulation (EPAAR)	
	Use in conjunction with N904 to indicate a clause from the cited regulation.	
FA	Federal Acquisition Regulations (FAR)	
	If the FAR clause has a Modification, Variation or Deviation, identify that condition in N903 and provide the full clause text in the following MSG segment.	
GS	General Services Administration Regulations (GSAR)	
	Use in conjunction with N904 to indicate a clause from the cited regulation.	
H5	Special Clause	
	Use this code only to indicate local, purchasing activity or agency payment related information. DO NOT use for a FAR or DFARS payment related clause. Use either code FA or DF in that instance.	
HT	Code of Federal Regulations	
HUD	Department of Housing and Urban Development Acquisition Regulation (HUDAR)	
	Use in conjunction with N904 to indicate a clause from the cited regulation.	
K7	Paragraph Number	
	1. Use to provide information for a contractor. Cite an applicable number in N902 and provide the information in the following MSG segment.	

2. DO NOT use for payment related information. Use code H5 for that purpose.

KD   Special Instructions Number

1. Use to indicate a special instruction. Indicate the agency, or purchasing activity issuing the special instruction in N903. If this special instruction number is not included in previously provided terms and conditions, provide the full text in the following MSG segment.

2. DO NOT use for payment related special instructions. Use code H5 for that purpose.

KT   Request for Quotation Reference

Use to indicate another type of reference number applicable to the solicitation. This number is not the solicitation number (which is carried in BQT02). This code can be used as a means to provide clear text information, i.e., Notice to Bidders, in the following MSG segment. Another example of the use of this code can be to provide the reason for the cancellation of the solicitation.

KY   Site Specific Procedures, Terms, and Conditions

DO NOT use for payment related terms and conditions. Use code H5 for that purpose.

KZ   Master Solicitation Procedures, Terms, and Conditions

1. Use to indicate the Master Solicitation number that contains applicable terms and conditions.

2. DO NOT use for payment related terms and conditions. Use code H5 for that purpose.

NAS   National Aeronautics and Space Administration FAR Supplement (NFS)

Use in conjunction with N904 to indicate a clause from the cited regulation.

VB   Department of Veterans Affairs Acquisition Regulations (VAAR)

Use in conjunction with N904 to indicate a clause from the cited regulation.

XY   Other Unlisted Type of Reference Number

Use in conjunction with N903 and optionally with the 2/MSG/330 segment, to indicate any other reference that cannot use a specific qualifier code.

N902   127   Reference Identification   X   AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

| | **N903** | **369** | **Free-form Description** | | **X** | **AN 1/45** |

Free-form descriptive text

1. When N901 is code CJ or DX, use to identify the agency or purchasing activity issuing the clause cited in N902.

2. When N901 is code XY, use to identify the source of the reference and use the following MSG segment for text, if necessary.

3. When N901 is code DF or FA and the clause has a Modification, Variation, or Deviation, identify that condition by citing "VAR" for Modification and Variations, and "DEV" for Deviation.

4. Use also to carry additional information related to the reference cited in N902.

5. Use of free-form text is discouraged if the information can be provided by some other means within the transaction set.

| | **N904** | **373** | **Date** | | **O** | **DT 8/8** |

Date expressed as CCYYMMDD

Use to identify the date of the clause cited in N902. The DD (day) portion of the date is always 01.

| Not Used | **N905** | **337** | **Time** | | **X** | **TM 4/8** |

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

| Not Used | **N906** | **623** | **Time Code** | | **O** | **ID 2/2** |

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

| Not Used | **N907** | **C040** | **Reference Identifier** | | **O** | |

To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier

| Not Used | **C04001** | **128** | **Reference Identification Qualifier** | | **M** | **ID 2/3** |

Code qualifying the Reference Identification

| Not Used | **C04002** | **127** | **Reference Identification** | | **M** | **AN 1/30** |

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

| Not Used | **C04003** | **128** | **Reference Identification Qualifier** | | **X** | **ID 2/3** |

Code qualifying the Reference Identification

| **Not Used** | **C04004** | **127** | **Reference Identification** | **X** | **AN 1/30** |

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

| **Not Used** | **C04005** | **128** | **Reference Identification Qualifier** | **X** | **ID 2/3** |

Code qualifying the Reference Identification

| **Not Used** | **C04006** | **127** | **Reference Identification** | **X** | **AN 1/30** |

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Segment:	**MSG** Message Text
Position:	330
Loop:	N9 Optional
Level:	Detail
Usage:	Optional
Max Use:	1000
Purpose:	To provide a free-form format that allows the transmission of text information
Syntax Notes:	1 If MSG03 is present, then MSG02 is required.
Semantic Notes:	1 MSG03 is the number of lines to advance before printing.
Comments:	1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
	2 If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.
Notes:	*1. Use this segment to carry the title or full text of any clause, a special instruction, or other information associated with the number cited in N902.*

2. This segment is also used to carry clause fill-in information that is not provided elsewhere within the transaction set. Use of clause titles when providing fill-in information is recommended.

3. When providing fill-in information, the following format is recommended:

a) In the first iteration of the segment, cite the clause title, and the clause Alternate identifier with date if applicable, followed by a pipe sign to indicate the end of the title information, then cite the number of fill-ins followed by a second pipe sign to indicate the end of the title segment.

b) For each fill-in, begin a new MSG segment using the sequence in which the fill-ins appear within the clause. These MSG segments may each begin with a number indicating the fill-in's sequence position. End each fill-in with a pipe sign. If multiple iterations of MSG are required for a long fill-in, end only the last MSG segment of that fill-in with the pipe sign.

4. The purpose of the pipe sign "|" is to provide an indication to receiving applications that the data string related to a single entry has been completed.

An example of a clause with 3 fill-ins follows:

MSG*Commencement, Prosecution, and Completion of Work Alternate I|3|
MSG*1. 30|
MSG*2. 30 Sep 1995|
MSG*3. 15 Jan 1995|

5. An example alternative format provides all fill-in information within the title MSG segment as follows:

MSG*Commencement, Prosecution, and Completion of Work Alternate I

|3|30|Sep 30, 1995|Jan 15, 1995|

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
M **MSG01**	**933**	**Free-Form Message Text**	**M AN 1/264**
		Free-form message text	
Not Used **MSG02**	**934**	**Printer Carriage Control Code**	**X ID 2/2**
		A field to be used for the control of the line feed of the receiving printer	
Not Used **MSG03**	**1470**	**Number**	**O N0 1/9**
		A generic number	

Segment:	**N1** **Name**		
Position:	340		
Loop:	N1	Optional	
Level:	Detail		
Usage:	Optional		
Max Use:	1		
Purpose:	To identify a party by type of organization, name, and code		
Syntax Notes:	1	At least one of N102 or N103 is required.	
	2	If either N103 or N104 is present, then the other is required.	
Semantic Notes:			
Comments:	1	This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.	
	2	N105 and N106 further define the type of entity in N101.	

Notes: *1. Use the loop to identify organizations and locations that apply to a specific line item. Use the 1/N1/310 loop to identify organizations and locations that apply to all of the line items.*

2. Whenever possible, identification and address information should be provided using N101, N103, and N104. Use N102 and segments N2 through N4, as applicable, when the address cannot be provided using one of the codes listed in N103.

3. When this segment is used to provide a ship-to address for distribution of a data item on a Contract Data Requirements List, N102 should be used to specify the office symbol or code within the receiving organization, if necessary.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	N101	98	**Entity Identifier Code**	M ID 2/3

Code identifying an organizational entity, a physical location, property or an individual

31	Postal Mailing Address	

Use only when an actual mailing address is required and it is different from the address provided for any other qualifier code. Do not use if another qualifier code can be used to pass this address. When used, cite the name of the party in N102 and the N2 segment, if necessary.

7D	Contracting Officer Representative	
7G	Hazardous Material Office	

Use to indicate the installation Hazardous Material or Safety Office serving the ship-to location.

7L	Preliminary Inspection Location	

Use to indicate the inspection location of a first article.

7M   Inspection and Acceptance Location

Use to indicate the inspection and acceptance point when both are at the same location but the location is neither at origin nor at destination.

88   Approver

Use to indicate the party approving a Contract Data Requirements List.

CY   Country

Use in conjunction with the 2/N9/320 segment, N901 code 2E, and N103 code 38, to indicate the country to which a Foreign Military Sale applies.

EL   Established Location

Use to indicate the site or property inspection location.

HMI   Material Safety Data Sheet (MSDS) Recipient

Use to indicate the Agency's Hazardous Material Information System (HMIS) central focal point to whom Material Safety Data Sheets are to be sent.

IF   International Freight Forwarder

Use in conjunction with the 2/FOB/180 segment, FOB02 code IT.

IS   Party to Receive Certified Inspection Report

KG   Project Manager

Use to indicate the government party responsible for a project to include the advisor under a grant

KX   Free on Board Point

Use to indicate the FOB point when it has to be described by a specific address rather than as a code value indicating either origin or destination. Applicable when FOB02 is code KE, KL or ZZ.

KY   Technical Office

Use to indicate the technical office that has cognizance over the technical portion of the order, if different than the office originating the order. Do not use unless it is intended for the contractor to deal directly with the cited party.

KZ   Acceptance Location

Use when the acceptance point is other than at origin or destination.

L1   Inspection Location

			Use to indicate the inspection location when it has to be described as an address which is neither origin or destination.
	P1	Preparer	
			Use to indicate the preparer of a Contract Data Requirements List.
	PA	Party to Receive Inspection Report	
	PC	Party to Receive Cert. of Conformance (C.A.A.)	
	PN	Party to Receive Shipping Notice	
	PW	Pick Up Address	
			Use to indicate the location where government property is to be picked up for repair or other disposition.
	R6	Requester	
			Use to indicate the requesting agency/activity.
	SM	Party to Receive Shipping Manifest	
	ST	Ship To	
			1. Use to indicate the Ship-to addressee for a CLIN or SUBCLIN, or a distribution addressee for a CDRL.
			2. If the address is an FPO or APO, use the appropriate code in N101, cite FPO or APO in N102 and in N401, cite the two letter identifier (AA for Miami, AE for New York, AP for San Francisco) in N402, and cite the zip code in N403.
	SV	Service Performance Site	
			Use to indicate the location where a service, e.g., grass cutting, is to be performed.
	TS	Party to Receive Certified Test Results	
			Use in conjunction with the 2/CSH/142 segment, CSH01 code QP, to indicate the party to whom an offeror should submit the certified test results which demonstrate that his quoted product meets the established standards for a Qualified Products List.
	X2	Party to Perform Packaging	
	Z4	Owning Inventory Control Point	
	Z7	Mark-for Party	
	ZD	Party to Receive Reports	

	N102	**93**	**Name**		**X**	**AN 1/60**
			Free-form name			
Rec	**N103**	**66**	**Identification Code Qualifier**		**X**	**ID 1/2**

Code designating the system/method of code structure used for Identification Code (67)

1	D-U-N-S Number, Dun & Bradstreet
	The DUNS or DUNS+4 number is preferred over other codes to identify an entity.
9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix
	The DUNS or DUNS+4 number is preferred over other codes to identify an entity.
10	Department of Defense Activity Address Code (DODAAC)
	Use to indicate either a Department of Defense or Civilian Agency Activity Address Code.
16	ZIP Code
	Use in conjunction with N101 code ST, to indicate a general shipping area for quoting purposes.
33	Commercial and Government Entity (CAGE)
38	Country Code
	Use in conjunction with N101 code CY and cite the 2 position ISO 3166 country code in N104.
A2	Military Assistance Program Address Code (MAPAC)

Rec	**N104**	**67**	**Identification Code**	**X**	**AN 2/80**
			Code identifying a party or other code		
Not Used	**N105**	**706**	**Entity Relationship Code**	**O**	**ID 2/2**
			Code describing entity relationship		
Not Used	**N106**	**98**	**Entity Identifier Code**	**O**	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		

Segment:	**N2** Additional Name Information	
Position:	350	
Loop:	N1	Optional
Level:	Detail	
Usage:	Optional	
Max Use:	2	
Purpose:	To specify additional names or those longer than 35 characters in length	
Syntax Notes:		
Semantic Notes:		
Comments:		
Notes:	*This segment is not necessary when the entity cited in N101 is described by a code in N103/N104.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N201**	**93**	**Name**	**M AN 1/60**
			Free-form name	
	N202	**93**	**Name**	**O AN 1/60**
			Free-form name	

	Segment:	**N3** Address Information
	Position:	360
	Loop:	N1 Optional
	Level:	Detail
	Usage:	Optional
	Max Use:	2
	Purpose:	To specify the location of the named party
	Syntax Notes:	
	Semantic Notes:	
	Comments:	
	Notes:	*This segment is not necessary when the entity cited in N101 is described by a code in N103/N104.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	N301	166	**Address Information**	M AN 1/55
			Address information	
	N302	166	**Address Information**	O AN 1/55
			Address information	

	Segment:	**N4** Geographic Location
	Position:	370
	Loop:	N1 Optional
	Level:	Detail
	Usage:	Optional
	Max Use:	1
	Purpose:	To specify the geographic place of the named party
	Syntax Notes:	1 If N406 is present, then N405 is required.
	Semantic Notes:	
	Comments:	1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
		2 N402 is required only if city name (N401) is in the U.S. or Canada.
	Notes:	*This segment is not necessary when the entity cited in N101 is described by a code in N103/N104.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
	N401	19	**City Name**	**O AN 2/30**
			Free-form text for city name	
			When the address is a military overseas post office, cite APO or FPO as appropriate to identify an Army Post Office (APO) or Fleet Post Office (FPO).	
	N402	156	**State or Province Code**	**O ID 2/2**
			Code (Standard State/Province) as defined by appropriate government agency	
			Use codes AA (Armed Forces Americas), AE (Armed Forces Europe), or AP (Armed Forces Pacific) as appropriate for the military overseas post office.	
	N403	116	**Postal Code**	**O ID 3/15**
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
	N404	26	**Country Code**	**O ID 2/3**
			Code identifying the country	
			Cite the two position ISO 3166 country code.	
Not Used	**N405**	309	**Location Qualifier**	**X ID 1/2**
			Code identifying type of location	
Not Used	**N406**	310	**Location Identifier**	**O AN 1/30**
			Code which identifies a specific location	

	Segment:	**QTY** Quantity
	Position:	375
	Loop:	N1 Optional
	Level:	Detail
	Usage:	Optional
	Max Use:	>1
	Purpose:	To specify quantity information
	Syntax Notes:	1 At least one of QTY02 or QTY04 is required.
		2 Only one of QTY02 or QTY04 may be present.
	Semantic Notes:	1 QTY04 is used when the quantity is non-numeric.
	Comments:	
	Notes:	*Use in conjunction with the 2/N1/340 segment, N101 code ST, when the contract deliverable is data, a report, or similar intangible product that is to be distributed, to identify the quantity of regular, draft or reproducible copies required.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	QTY01	673	**Quantity Qualifier**	**M ID 2/2**

Code specifying the type of quantity

52	Number of Originals	
	Use in conjunction with the 2/N1/340 segment, N101 code ST, to indicate regular copies.	
K6	Drafts	
	Use in conjunction with the 2/N1/340 segment, N101 code ST.	
KF	Duplicates	
	Use in conjunction with the 2/N1/340 segment, N101 code ST, to indicate reproducible copies.	

	Ref. Des.	Data Element	Name	Attributes
	QTY02	380	**Quantity**	**X R 1/15**

Numeric value of quantity

	QTY03	C001	**Composite Unit of Measure**	**O**
Not Used				

To identify a composite unit of measure (See Figures Appendix for examples of use)

Not Used	C00101	355	**Unit or Basis for Measurement Code**	**M ID 2/2**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Not Used	C00102	1018	**Exponent**	**O R 1/15**

Power to which a unit is raised

Not Used	C00103	649	**Multiplier**	**O R 1/10**

Value to be used as a multiplier to obtain a new value

Not Used	C00104	355	**Unit or Basis for Measurement Code**	**O ID 2/2**

Code specifying the units in which a value is being expressed, or manner

			in which a measurement has been taken		
Not Used	C00105	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
Not Used	C00106	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	C00107	355	**Unit or Basis for Measurement Code**	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	C00108	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
Not Used	C00109	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	C00110	355	**Unit or Basis for Measurement Code**	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	C00111	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
Not Used	C00112	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	C00113	355	**Unit or Basis for Measurement Code**	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	C00114	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
Not Used	C00115	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	QTY04	61	**Free-Form Message**	X	AN 1/30
			Free-form information		

Segment: **PER** Administrative Communications Contact

Position:	390
Loop:	N1 Optional
Level:	Detail
Usage:	Optional
Max Use:	3
Purpose:	To identify a person or office to whom administrative communications should be directed
Syntax Notes:	1 If either PER03 or PER04 is present, then the other is required.
	2 If either PER05 or PER06 is present, then the other is required.
	3 If either PER07 or PER08 is present, then the other is required.
Semantic Notes:	
Comments:	
Notes:	*Use this segment to provide communications contacts associated with the entities cited in the same N1 loop.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	PER01	366	**Contact Function Code**	M ID 2/2

Code identifying the major duty or responsibility of the person or group named

AV	Advisor	

Use in conjunction with the 2/N1/340 segment, N101 code KG, to indicate the government party who will work with the eventual contractor on basic R&D efforts in a particular science area.

CD   Contract Contact

Use in conjunction with the 2/N1340 segment, N101 code 7D to indicate the Contracting Officer's Representative.

HM   Hazardous Material Contact

Use in conjunction with the 2/N1/340 segment, N101 code 7G.

IC   Information Contact

Use with an applicable N101 code to indicate an information point of contact when no other code applies.

KC   Accepting Official

Use in conjunction with the 2/N1/340 segment, N101 code ST to indicate the accepting official at destination.

NT   Notification Contact

Use in conjunction with the 2/N1/340 segment,

N101 code ST, to indicate the party to be contacted for shipping instructions.

PP   Program Manager

1. Includes Grants Project Officer

2. Use in conjunction with the 2/N1/340 segment, N101 code KG.

RE   Receiving Contact

Use in conjunction with the 2/N1/340 segment, N101 code ST and the 2/CSH/142 segment, CSH07 code NC, to indicate the party to be contacted to schedule a shipment.

PER02	93	**Name**	**O**	**AN 1/60**

Free-form name

Use to identify the name of a point of contact. Last name, followed by first name, is preferred. If the whole name is longer than 35 characters, the use of initials for the first name is recommended. PER09 may be used to cite the party's title.

PER03	365	**Communication Number Qualifier**	**X**	**ID 2/2**

Code identifying the type of communication number

AU   Defense Switched Network

EM   Electronic Mail

FX   Facsimile

IT   International Telephone

Include the country code.

TE   Telephone

Use to indicate the commercial telephone number of the individual cited in PER02. Include the area code.

PER04	364	**Communication Number**	**X**	**AN 1/80**

Complete communications number including country or area code when applicable

All numbers, other than those associated with code EM, shall be transmitted as a continuous number with no extraneous characters. If an extension applies to the telephone number, concatenate the letter X plus the extension at the end of the number, e.g., 17035551212X123.

PER05	365	**Communication Number Qualifier**	**X**	**ID 2/2**

Code identifying the type of communication number

Use to identify a second communications number for the party cited in PER02. For example, if PER03/04 cites a telephone number, PER05/06 can be used to cite a FAX number.

AU   Defense Switched Network

EM   Electronic Mail

		FX	Facsimile	
		IT	International Telephone	

Include the country code.

| | | TE | Telephone | |

Use to indicate the commercial telephone number of the individual cited in PER02. Include the area code.

| PER06 | 364 | **Communication Number** | **X** | **AN 1/80** |

Complete communications number including country or area code when applicable

All numbers, other than those associated with code EM, shall be transmitted as a continuous number with no extraneous characters. If an extension applies to the telephone number, concatenate the letter X plus the extension at the end of the number, e.g., 17035551212X123.

| PER07 | 365 | **Communication Number Qualifier** | **X** | **ID 2/2** |

Code identifying the type of communication number

Use to identify a third communications number for the party cited in PER02.

		AU	Defense Switched Network	
		EM	Electronic Mail	
		FX	Facsimile	
		IT	International Telephone	

Include the country code.

| | | TE | Telephone | |

Use to indicate the commercial telephone number of the individual cited in PER02. Include the area code.

| PER08 | 364 | **Communication Number** | **X** | **AN 1/80** |

Complete communications number including country or area code when applicable

All numbers, other than those associated with code EM, shall be transmitted as a continuous number with no extraneous characters. If an extension applies to the telephone number, concatenate the letter X plus the extension at the end of the number, e.g., 17035551212X123.

| PER09 | 443 | **Contact Inquiry Reference** | **O** | **AN 1/20** |

Additional reference number or description to clarify a contact number

Use, if necessary, to provide the office symbol or title of the party cited in PER02.

Segment:	**SCH** Line Item Schedule		
Position:	405		
Loop:	N1 Optional		
Level:	Detail		
Usage:	Optional		
Max Use:	200		
Purpose:	To specify the data for scheduling a specific line-item		
Syntax Notes:	1	If SCH03 is present, then SCH04 is required.	
	2	If SCH08 is present, then at least one of SCH09 or SCH10 is required.	
	3	If SCH09 is present, then SCH08 is required.	
	4	If SCH10 is present, then SCH08 is required.	
Semantic Notes:	1	SCH12 is the schedule identification.	
Comments:	1	SCH05 specifies the interpretation to be used for SCH06 and SCH07.	
Notes:	*Use this segment to identify a partial delivery when it can be specified as an actual date and is applicable to a named entity.*		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	SCH01	380	**Quantity**	M R 1/15
			Numeric value of quantity	
M	SCH02	355	**Unit or Basis for Measurement Code**	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			1. Use any code other than code ZZ.	
			2. An application program conversion table may be required to convert agency codes to ASC X12 codes.	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	SCH03	98	**Entity Identifier Code**	O ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
Not Used	SCH04	93	**Name**	X AN 1/60
			Free-form name	
M	SCH05	374	**Date/Time Qualifier**	M ID 3/3
			Code specifying type of date or time, or both date and time	

	002	Delivery Requested
		Use when the delivery date of the order does not conform to the basic IDC instrument.
	017	Estimated Delivery
	063	Do Not Deliver After
		Use to indicate that deliveries cannot be made after a specified date and/or time.

			064		Do Not Deliver Before		

Use to indicate that deliveries cannot be made before a specified date and/or time.

077   Requested for Delivery (Week of)

When this code is used, cite the beginning day of the week.

106   Required By

Use to indicate that deliveries are due exactly on the specified date.

174   Month Ending

Use to indicate delivery is required within the specified month. In DTM02, identify the month and cite the last calendar day of the month.

193   Period Start

1. Use to indicate the start of a period of performance or lease.

2. When this code is used, code 194 must be cited in SCH08.

358   Cycle Begin

When this code is used, code 359 must be cited in SCH08.

375   Delivery Start

1. Use to indicate the start date/time for deliveries when the total quantity is to be delivered during a specified time period.

2. When this code is used, code 376 must be cited in SCH08.

996   Required Delivery

Use to indicate that delivery is due on or before the specified date.

M	SCH06	373	**Date**	**M**	**DT 8/8**

Date expressed as CCYYMMDD

	SCH07	337	**Time**	**O**	**TM 4/8**

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Use, if applicable, to identify the time for a delivery. Specify time only in the HHMM format.

	SCH08	374	**Date/Time Qualifier**	**X**	**ID 3/3**

Code specifying type of date or time, or both date and time

063	Do Not Deliver After

Use to indicate that deliveries cannot be made after a specified date and/or time.

194	Period End

When this code is used, code 193 must be cited in SCH05.

359	Cycle End

When this code is used, code 3348 must be cited in SCH05.

376	Delivery End

When this code is used, code 375 must be cited in SCH05.

SCH09　　373　　**Date**　　　　　　　　　　　　　　　　　　　**X**　**DT 8/8**

Date expressed as CCYYMMDD

SCH10　　337　　**Time**　　　　　　　　　　　　　　　　　　　**X**　**TM 4/8**

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Use, if applicable, to identify the time for a delivery. Specify time only in the HHMM format.

Not Used　**SCH11**　　326　　**Request Reference Number**　　　　　　　　**O**　**AN 1/45**

Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number)

Not Used　**SCH12**　　350　　**Assigned Identification**　　　　　　　　　　**O**　**AN 1/20**

Alphanumeric characters assigned for differentiation within a transaction set

> *Use to indicate the U.S. Postal Service and not a private carrier.*

Refer to 004010 Data Element Dictionary for acceptable code values.

| Not Used | TD505 | 387 | **Routing** | X | **AN 1/35** |

Free-form description of the routing or requested routing for shipment, or the originating carrier's identity

| Not Used | TD506 | 368 | **Shipment/Order Status Code** | X | **ID 2/2** |

Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction

| Not Used | TD507 | 309 | **Location Qualifier** | O | **ID 1/2** |

Code identifying type of location

| Not Used | TD508 | 310 | **Location Identifier** | X | **AN 1/30** |

Code which identifies a specific location

| Not Used | TD509 | 731 | **Transit Direction Code** | O | **ID 2/2** |

The point of origin and point of direction

| Not Used | TD510 | 732 | **Transit Time Direction Qualifier** | O | **ID 2/2** |

Code specifying the value of time used to measure the transit time

| Not Used | TD511 | 733 | **Transit Time** | X | **R 1/4** |

The numeric amount of transit time

| | TD512 | 284 | **Service Level Code** | X | **ID 2/2** |

Code indicating the level of transportation service or the billing service offered by the transportation carrier

> *1. Use any code other than code ZZ.*
>
> *2. When BEG12 is code 34, use to identify the transportation requirements to satisfy the Emergency Requirement.*

Refer to 004010 Data Element Dictionary for acceptable code values.

| Not Used | TD513 | 284 | **Service Level Code** | X | **ID 2/2** |

Code indicating the level of transportation service or the billing service offered by the transportation carrier

| Not Used | TD514 | 284 | **Service Level Code** | O | **ID 2/2** |

Code indicating the level of transportation service or the billing service offered by the transportation carrier

| Not Used | TD515 | 26 | **Country Code** | O | **ID 2/3** |

Code identifying the country

Segment:	**TD4** Carrier Details (Special Handling or Hazardous Materials or Both)
Position:	440
Loop:	N1 Optional
Level:	Detail
Usage:	Optional
Max Use:	5
Purpose:	To specify transportation special handling requirements, or hazardous materials information, or both
Syntax Notes:	1 At least one of TD401 TD402 or TD404 is required.
	2 If TD402 is present, then TD403 is required.
Semantic Notes:	1 TD405 identifies if a Material Safety Data Sheet (MSDS) exists for this product. A "Y" indicates an MSDS exists for this product; an "N" indicates an MSDS does not exist for this product.
Comments:	
Notes:	*Use this segment when the special handling or hazardous material information is applicable to a named entity for a specific line item.*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
TD401	152	**Special Handling Code**	X ID 2/3

Code specifying special transportation handling instructions

Any code, other than code ZZZ, may be used but the listed codes are preferred.

AMM   A.M. Delivery Requirement
DA   Dangerous
EP   Expedite
EX   Explosive Flammable Gas
FG   Flammable Gas
FL   Flammable
FP   Flammable Poison Gas
HM   Endorsed as Hazardous Material
LT   Less Than Full Carload
LTT   Less Than Truckload
NC   Notify Consignee Before Delivery
PG   Poisonous Gas
PMM   P.M. Delivery Requirement

Refer to 004010 Data Element Dictionary for acceptable code values.

TD402	208	**Hazardous Material Code Qualifier**	X ID 1/1

Code which qualifies the Hazardous Material Class Code (209)

Use any code.

Refer to 004010 Data Element Dictionary for acceptable code values.

TD403	209	**Hazardous Material Class Code**	X AN 1/4

Code specifying the kind of hazard for a material

Not Rec   **TD404**   **352**   **Description**   **X** **AN 1/80**

A free-form description to clarify the related data elements and their content

Use of free form text is discouraged if the information can be provided by some other means within the transaction set.

Not Used   **TD405**   **1073**   **Yes/No Condition or Response Code**   **O** **ID 1/1**

Code indicating a Yes or No condition or response

Segment:	**PKG** Marking, Packaging, Loading		

Position: 450
Loop: N1   Optional
Level: Detail
Usage: Optional
Max Use: 200
Purpose: To describe marking, packaging, loading, and unloading requirements
Syntax Notes: **1**   At least one of PKG04 PKG05 or PKG06 is required.
                  2   If PKG04 is present, then PKG03 is required.
                  3   If PKG05 is present, then PKG01 is required.
Semantic Notes: **1**   PKG04 should be used for industry-specific packaging description codes.
Comments: **1**   Use the MEA (Measurements) Segment to define dimensions, tolerances, weights, counts, physical restrictions, etc.
                  2   If PKG01 equals "F", then PKG05 is used. If PKG01 equals "S", then PKG04 is used. If PKG01 equals "X", then both PKG04 and PKG05 are used.
                  3   Use PKG03 to indicate the organization that publishes the code list being referred to.
                  4   Special marking or tagging data can be given in PKG05 (description).
Notes: *1. Use this segment to identify packaging requirements applicable to a named entity for a specific line item.*

2. Packaging information such as the number of items in a unit container; the number of unit containers in an intermediate container; and the gross weight, cube and dimensions of a unit or intermediate container is carried in the 2/PO4/090 segment.

3. The use of MILSTD 2073-1C codes to identify packaging requirements for items in this award instrument are primarily for items that are expected to enter the military distribution system. Commercial packaging is expected to be used to the maximum extent possible for all other items.

4. Commercial packaging requirements are specified by the use of PKG02 code PK, PKG03 code DF, and citing the corresponding code U in PKG04.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
PKG01	349	**Item Description Type**	**X ID 1/1**

Code indicating the format of a description

F		Free-form
S		Structured (From Industry Code List)
X		Semi-structured (Code and Text)

PKG02	753	**Packaging Characteristic Code**	**O ID 1/5**

Code specifying the marking, packaging, loading and related characteristics being described

Use the listed codes to identify the applicable packaging requirements.

CD	Cleaning or Drying Procedure
CT	Cushioning Thickness
CUD	Cushioning and Dunnage
IC	Intermediate Container
OPI	Optional Procedure Indicator
PK	Packing

To specify commercial packaging, cite code DF in PKG03 and code U in PKG04.

PM	Preservation Method
PML	Preservation Material
SMK	Special Marking
UC	Unit Container
UCL	Unit Container Level
WM	Wrapping Material

PKG03   559   **Agency Qualifier Code**   **X**   **ID 2/2**

Code identifying the agency assigning the code values

DF	Department of Defense (DoD)
GS	General Services Administration (GSA)
ZZ	Mutually Defined

Use to indicate a Federal activity other than DOD or GSA.

PKG04   754   **Packaging Description Code**   **X**   **AN 1/7**

A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product

1. The actual codes associated with the packaging characteristics codes cited in PKG02 can be found in Code Source List 197 (MIL-STD 2073 -1C).

2. Whenever a code used in PKG04 requires an explanation or additional information, provide it in PKG05.

PKG05   352   **Description**   **X**   **AN 1/80**

A free-form description to clarify the related data elements and their content

1. Use to provide Supplemental Instructions or Special Packaging Instructions. If the information to be provided exceeds the maximum length of this data element, provide the information in the 2/N9/320 loop, using code K7 in N901.

2. Use of free form text is discouraged if the information can be provided by some other means within the transaction set.

PKG06   400   **Unit Load Option Code**   **X**   **ID 2/2**

Code identifying loading or unloading a shipment

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01	Palletized
10	Shrink-wrap

Segment:	**LDT** Lead Time	
Position:	470	
Loop:	LDT Optional	
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify lead time for availability of products and services	
Syntax Notes:		
Semantic Notes:	1 LDT04 is the effective date of lead time information.	
Comments:	1 LDT02 is the quantity of unit of time periods.	

Notes: *1. Use this loop when the delivery schedule is expressed as a set time period after the occurrence of some event, and varies by line item. If the delivery schedule is the same for all the ship-to addressees for the line item, use the 2/LDT/302 segment.*

2. The following are examples of how this LDT loop can be used to specify a delivery schedule:

Example 1: Deliver 50 each 180 days after date of order.

LDT*AY*180*DA n/l
QTY*1J*50*EA n/l

Example 2: Deliver the total quantity of 500 each as follows: 50 per month commencing 180 days after date of order.

LDT*AY*180*DA n/l
QTY*1J*50*MO n/l

Example 3: Deliver the total quantity of 20,500 each as follows: 2500 each per quarter commencing 90 days after date of order until half the order is completed, then 1000 each per month until the total order is complete.

LDT*AY*90*DA n/l
QTY*1J*2500*Q1 n/l
QTY*1K*4*Q1 n/l
LDT*AM*1*MO n/l
QTY*1J*1000*MO n/l
QTY*1K*10*MO n/l
LDT*AK*1*MO n/l
QTY*1J*500*EA n/l

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	LDT01	345	Lead Time Code		M ID 2/2

Code indicating the time range

AD	From date of sample approval to first product shipment	
AE	From date of PO receipt to shipment	
AF	From date of PO receipt to delivery	
AH	From Date of Receipt of First Article to First Article Approval	
AI	From Date of a Specified Event to Delivery	

Use in conjunction with the 2/MSG/500 segment, to identify a lead time for delivery that is based upon the specific event.

AJ	From Date of First Delivery to Date of Subsequent Delivery(ies)
AK	From Date Of Latest Delivery To Final Delivery
AM	From Date Of Previous Delivery To Date Of Subsequent Delivery
AV	From Date of Award to Date of Latest Delivery
AW	From Date of Award to Date of Earliest Delivery
AX	From Date of Award to Date of Completion

Use to indicate the completion date, e.g., for a level of effort.

AY	From Date of Award to Date of Delivery
AZ	From Date of Receipt of Item to Date of Approval of Item

Use this code to indicate the lead time for the approval of an item or the acceptance of an item if different than specified in the Prompt Payment Act.

BC	From Date of Award to Commencement of Performance
BD	From Date of Award to Date of Option Exercise
BE	From Date of Option Exercise to Date of Completion
BG	From Date of a Specified Event to Date of Option Exercise

Use in conjunction with the 2/MSG/500 segment.

M	LDT02	380	**Quantity**	M R 1/15

Numeric value of quantity

M	LDT03	344	**Unit of Time Period or Interval**	M ID 2/2

Code indicating the time period or interval

CY	Calendar Year
DA	Calendar Days
DW	Work Days
KK	Maximum Calendar Days

Use to indicate a flexible time period, e.g., X

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			number of days or less.		
		MO	Month		
		QY	Quarter of a Year		
		SA	Semiannual		
		WK	Weeks		
Not Used	**LDT04**	**373**	**Date**	**O**	**DT 8/8**

Date expressed as CCYYMMDD

Segment:		**MAN** Marks and Numbers		
Position:		480		
Loop:		LDT Optional		
Level:		Detail		
Usage:		Optional		
Max Use:		10		
Purpose:		To indicate identifying marks and numbers for shipping containers		
Syntax Notes:		1	If either MAN04 or MAN05 is present, then the other is required.	
		2	If MAN06 is present, then MAN05 is required.	
Semantic Notes:		1	MAN01/MAN02 and MAN04/MAN05 may be used to identify two different marks and numbers assigned to the same physical container.	
		2	When both MAN02 and MAN03 are used, MAN02 is the starting number of a sequential range and MAN03 is the ending number of that range.	
		3	When both MAN05 and MAN06 are used, MAN05 is the starting number of a sequential range, and MAN06 is the ending number of that range.	
Comments:		1	When MAN01 contains code "UC" (U.P.C. Shipping Container Code) and MAN05/MAN06 contain a range of ID numbers, MAN03 is not used. The reason for this is that the U.P.C. Shipping Container code is the same on every carton that is represented in the range in MAN05/MAN06.	
		2	MAN03 and/or MAN06 are only used when sending a range(s) of ID numbers. When both MAN02/MAN03 and MAN05/MAN06 are used to send ranges of ID numbers, the integrity of the two ID numbers must be maintained.	

Notes: *1. Use this segment to identify marks and numbers associated with a ship-to addressee.*

2. Use to identify such data as MILSTRIP/DLMS/FEDSTRIP number, Transportation Control number, Project Priority number, and consignee related codes.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	MAN01	88	**Marks and Numbers Qualifier**	M	ID 1/2
			Code specifying the application or source of Marks and Numbers (87)		
			L Line Item Only		
M	MAN02	87	**Marks and Numbers**	M	AN 1/48
			Marks and numbers used to identify a shipment or parts of a shipment		
	MAN03	87	**Marks and Numbers**	O	AN 1/48
			Marks and numbers used to identify a shipment or parts of a shipment		
	MAN04	88	**Marks and Numbers Qualifier**	X	ID 1/2
			Code specifying the application or source of Marks and Numbers (87)		
			L Line Item Only		
	MAN05	87	**Marks and Numbers**	X	AN 1/48
			Marks and numbers used to identify a shipment or parts of a shipment		
	MAN06	87	**Marks and Numbers**	O	AN 1/48

Marks and numbers used to identify a shipment or parts of a shipment

Segment:		**QTY** Quantity			
Position:		490			
Loop:		LDT	Optional		
Level:		Detail			
Usage:		Optional			
Max Use:		5			
Purpose:		To specify quantity information			
Syntax Notes:		1	At least one of QTY02 or QTY04 is required.		
		2	Only one of QTY02 or QTY04 may be present.		
Semantic Notes:		1	QTY04 is used when the quantity is non-numeric.		
Comments:					

Notes:

1. Use this segment to specify the quantity of an item that is to be delivered in accordance with a delivery schedule. The deliverable quantity can be expressed as a discrete quantity or a quantity per time period, e.g., 1000 per month. To indicate a delivery rate per time period, cite in QTY02 the quantity to be delivered and cite in QTY03 the time period, e.g., days, weeks, months, quarters, years.

2. Use also, to indicate the length of the delivery period, e.g., 4 quarters or the number of shipments.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	QTY01	673	**Quantity Qualifier**	M ID 2/2

Code specifying the type of quantity

1J   Due

Use to indicate the quantity to be delivered.

1K   Time Units

Use to indicate the length of the delivery period.

52   Number of Originals

Use to indicate the number of regular copies of a data item on a Contract Data Requirements List that are to be delivered.

K6   Drafts

Use to indicate the number of draft copies of a data item on a Contract Data Requirements List that are to be delivered.

KF   Duplicates

Use to indicate the number of reproducible copies of a data item on a Contract Data Requirements list that are to be delivered.

SA   Shipments

Use to indicate the number of shipments expected to complete the deliverable quantity.

| | QTY02 | 380 | **Quantity** | **X** | **R 1/15** |

Numeric value of quantity

1. When QTY01 is code 1J, cite the quantity to be delivered.

2. When QTY01 is code 1K, cite the length of the delivery period in this data element, e.g., 4, and in QTY03 identify the time measurement of the delivery period, e.g., months.

| | QTY03 | C001 | **Composite Unit of Measure** | **O** | |

To identify a composite unit of measure (See Figures Appendix for examples of use)

| **M** | **C00101** | **355** | **Unit or Basis for Measurement Code** | **M** | **ID 2/2** |

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

1. Use any code other than code ZZ.

2. An application program conversion table may be required to convert agency codes to ASC X12 codes.

DA Days
When QTY01 is code 1J, use to indicate frequency of delivery. When QTY01 is code 1K, use to indicate the length of the delivery period.

MO Months
When QTY01 is code 1J, use to indicate frequency of delivery. When QTY01 is code 1K, use to indicate the length of the delivery period.

Q1 Quarter (Time)
When QTY01 is code 1J, use to indicate frequency of delivery. When QTY01 is code 1K, use to indicate the length of the delivery period.

WK Week
When QTY01 is code 1J, use to indicate frequency of delivery. When QTY01 is code 1K, use to indicate the length of the delivery period.

YR Years
When QTY01 is code 1J, use to indicate frequency of delivery. When QTY01 is code 1K, use to indicate the length of the delivery period.

Refer to 004010 Data Element Dictionary for acceptable code values.

| **Not Used** | **C00102** | **1018** | **Exponent** | **O** | **R 1/15** |

Power to which a unit is raised

| **Not Used** | **C00103** | **649** | **Multiplier** | **O** | **R 1/10** |

Value to be used as a multiplier to obtain a new value

| **Not Used** | **C00104** | **355** | **Unit or Basis for Measurement Code** | **O** | **ID 2/2** |

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Not Used	C00105	1018	**Exponent**	**O**	**R 1/15**
			Power to which a unit is raised		
Not Used	C00106	649	**Multiplier**	**O**	**R 1/10**
			Value to be used as a multiplier to obtain a new value		
Not Used	C00107	355	**Unit or Basis for Measurement Code**	**O**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	C00108	1018	**Exponent**	**O**	**R 1/15**
			Power to which a unit is raised		
Not Used	C00109	649	**Multiplier**	**O**	**R 1/10**
			Value to be used as a multiplier to obtain a new value		
Not Used	C00110	355	**Unit or Basis for Measurement Code**	**O**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	C00111	1018	**Exponent**	**O**	**R 1/15**
			Power to which a unit is raised		
Not Used	C00112	649	**Multiplier**	**O**	**R 1/10**
			Value to be used as a multiplier to obtain a new value		
Not Used	C00113	355	**Unit or Basis for Measurement Code**	**O**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	C00114	1018	**Exponent**	**O**	**R 1/15**
			Power to which a unit is raised		
Not Used	C00115	649	**Multiplier**	**O**	**R 1/10**
			Value to be used as a multiplier to obtain a new value		
Not Used	QTY04	61	**Free-Form Message**	**X**	**AN 1/30**
			Free-form information		

Segment:	**MSG** Message Text			
Position:	500			
Loop:	LDT Optional			
Level:	Detail			
Usage:	Optional			
Max Use:	1000			
Purpose:	To provide a free-form format that allows the transmission of text information			
Syntax Notes:	1 If MSG03 is present, then MSG02 is required.			
Semantic Notes:	1 MSG03 is the number of lines to advance before printing.			
Comments:	1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.			
	2 If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.			
Notes:	*When LDT01 is code AI or BG, use to identify the specified event.*			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**MSG01**	**933**	**Free-Form Message Text**	**M AN 1/264**
			Free-form message text	
Not Used	**MSG02**	**934**	**Printer Carriage Control Code**	**X ID 2/2**
			A field to be used for the control of the line feed of the receiving printer	
Not Used	**MSG03**	**1470**	**Number**	**O N0 1/9**
			A generic number	

Segment:	**PCT** Percent Amounts		
Position:	510		
Loop:	PCT	Optional	
Level:	Detail		
Usage:	Optional		
Max Use:	1		
Purpose:	To qualify percent amounts and supply percent amounts		
Syntax Notes:			
Semantic Notes:			
Comments:			
Notes:	*Use this segment to carry percentages, other than those associated with a pricing arrangement, that apply to a specific line item. Use the 1/PCT/610 segment if the percentages apply to all of the line item.*		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	PCT01	1004	**Percent Qualifier**	M ID 1/2

Code to qualify percent

LM	Limit	
	Use to indicate the percentage of the replacement price above which repair/overhaul of the item identified in the PO1 segment is not cost effective. The replacement price is specified in the 2/CTP/040 segment.	
OP	Option Percentage	
	Use to indicate the percent of the firm quantity that applies to the option quantity.	
RG	Progress Payment Rate	
	Use to indicate a Progress Payment Rate other than the customary rate.	
RR	Alternate Progress Payment Liquidation Rate	

M	PCT02	954	**Percent**	M R 1/10

Percentage expressed as a decimal

Cite 4.25% as .0425; cite 3% as .03 (note: leading and trailing zeros are suppressed).

	Segment:	**CTT** Transaction Totals
	Position:	010
	Loop:	
	Level:	Summary
	Usage:	Optional
	Max Use:	1
	Purpose:	To transmit a hash total for a specific element in the transaction set
	Syntax Notes:	1 If either CTT03 or CTT04 is present, then the other is required.
		2 If either CTT05 or CTT06 is present, then the other is required.
	Semantic Notes:	
	Comments:	1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	CTT01	354	**Number of Line Items**	M	N0 1/6

Total number of line items in the transaction set

Use to identify the number of PO1 segments contained in this transaction set.

	Ref. Des.	Data Element	Name	Attributes	
	CTT02	347	**Hash Total**	O	R 1/10

Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. --------- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.

This is the sum of the quantities (PO102) for all of the PO1 segments.

	Ref. Des.	Data Element	Name	Attributes	
Not Used	CTT03	81	**Weight**	X	R 1/10

Numeric value of weight

	Ref. Des.	Data Element	Name	Attributes	
Not Used	CTT04	355	**Unit or Basis for Measurement Code**	X	ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

	Ref. Des.	Data Element	Name	Attributes	
Not Used	CTT05	183	**Volume**	X	R 1/8

Value of volumetric measure

	Ref. Des.	Data Element	Name	Attributes	
Not Used	CTT06	355	**Unit or Basis for Measurement Code**	X	ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

	Ref. Des.	Data Element	Name	Attributes	
Not Used	CTT07	352	**Description**	O	AN 1/80

A free-form description to clarify the related data elements and their content

	Segment:	**SE** Transaction Set Trailer
	Position:	020
	Loop:	
	Level:	Summary
	Usage:	Mandatory
	Max Use:	1
	Purpose:	To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
	Syntax Notes:	
	Semantic Notes:	
	Comments:	1 SE is the last segment of each transaction set.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	SE01	96	**Number of Included Segments**	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
M	SE02	329	**Transaction Set Control Number**	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
			Enter the same number carried in ST02.	